PHILIPS 33SL5796

MODEL

SERVICE MANUAL

Colour television

FL1.1

Service
Service
Service

AA 91.01

Service Information

GB

1. Correction to service manual FL1.1 AA

The following two code numbers are to be added to the parts list of the large-signal board:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect of TS7504 or TS7506

In order to increase reliability these transistors will henceforth be preselected. In the event of a defect of one of the transistors TS7504 or TS7506 (BU2508AF), they are therefore both to be replaced in order to prevent re-occurrence.
Code number: 4822 130 62934 (2 x ON4673)

3. PIP with 2nd front-end

A PIP module with a second front-end is incorporated in all 33" FL1.1 sets.
In all other FL1.1 sets the PCB layout of the second front-end PIP module will be incorporated from AG04.
The circuit diagram, the PCB layout and the parts list of this module will be provided in the service information.

NL

1. Correctie op service manual FL1.1 AA

In de stuklijst van het grootsignaal paneel dienen de volgende twee codenummers toegevoegd te worden:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect van TS7504 of TS7506

Om de betrouwbaarheid te vergroten zijn deze transistoren vanaf nu voorgeselecteerd.
Bij een defect van een van de transistoren Ts7504 of TS7506 (BU2508AF) dient men deze dus alle twee te vervangen om herhaling te voorkomen.
Codenummer: 4822 130 62934 (2 x ON4673)

3. PIP met 2^{e} front-end

In alle 33" FL1.1 apparaten is een PIP module met tweede front-end toegepast.
In alle andere FL1.1 apparaten zal vanaf AG04 de print lay-out van de tweede front-end PIP module worden toegepast.
In deze service informatie worden het principe schema, de print lay-out en de stuklijst van deze module gegeven.

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Ⓓ

1. Berichtigung des Service-Handbuchs FL1.1 AA

Bei der Ersatzteilliste müssen die folgenden beiden Codenummern hinzugefügt werden:

4822 320 11086	Fokuskabel
4822 320 20162	EHT-Kabel

2. Defekt an TS7504 oder TS7506

Zwecks einer Verbesserung der Zuverlässigkeit werden diese Transistoren ab sofort vorausgewählt. Bei einem Defekt an einem der beiden Transistoren TS7504 oder TS7506 (BU2508AF) müssen daher beide ausgetauscht werden, um eine wiederholte Störung auszuschließen.
Codenummer: 4822 130 62934 (2 x ON6473)

3. PIP mit zweitem Eingangsteil

In allen 33-Zoll-Fl1.1-Geräten wird ein PIP-Modul mit einem zweiten Eingangsteil angewandt. Bei allen anderen FL1.1-Geräten wird ab AG04 das Platinenlayout des zweiten Eingangsteils des PIP-Moduls benutzt werden.
Diese Service-Information enthält ein Blockschaltbild, ein Platinenlayout und eine Ersatzteilliste für dieses Modul.

Ⓕ

1. Correction concernant le Manuel de Service FL1.1 AA

Dans la nomenclature des pièces de la carte du grand signal, il convient d'ajouter les deux numéros de référence suivants :

4822 320 11086	Câble de focalisation
4822 320 20162	Câble EHT

2. Défaut de TS7504 ou TS7506

En vue d'augmenter la fiabilité, ces transistors sont dorénavant présélectionnés. En cas de défaillance de l'un des transistors TS7504 ou TS7506 (BU2508AF), il convient donc de les remplacer tous les deux de façon à éviter une répétition.
Numéro de référence 4822 130 62934 (2xON4673)

3. PIP avec 2ème platine complète

Un module PIP avec une deuxième platine complète a été utilisé dans tous les appareils FL1.1 33" (env.84cm).
La configuration de carte du module PIP avec la deuxième platine complète sera utilisée dans tous les autres appareils FL1.1 à partir de AG04.
Le schéma de montage, la configuration de carte et la nomenclature des pièces de ces modules figurent dans cette information de service.

Ⓘ

1. Correzione del Manuale di Servizio FL.1.1 AA

Nell'elenco dei componenti del pannello dei grandi segnali devono essere aggiunti i seguenti codici:

4822 320 11086	cavo di focalizzazione
4822 320 20162	cavo EHT

2. Difetto del TS7504 o TS7506

Per aumentare l'affidabilità, a partire da oggi questi transistori sono preselezionati.
In caso che uno dei transistori TS7504 o TS7506 (BU2508AF) risulti difettoso bisognerà sostituirli ambedue per evitare che il difetto si ripeta.
Codice: 4822 130 62934 (2 x ON4673)

3. PIP con 2^e front-end

In tutti gli apparecchi 33" FL1.1 è applicato un modulo PIP con secondo front-end.
In tutti gli altri apparecchi FL1.1 a partire da AG04 verrà applicato il lay-out del circuito stampato del modulo PIP con secondo front-end.
Nella presente pubblicazione troverete lo schema di principio, il lay-out del circuito stampato e l'elenco dei componenti di questo modulo.

Ⓔ

1. Corrección en el manual de servicio FL1.1AA.

En la lisa de piezas del panel de señal grande han de añadirse los dos números de código siguientes:

4822 320 11086	Cable del foco.
4822 320 20162	Cable EHT.

2. Defectos en el TS7504 ó en el TS7506.

Para aumentar la seguridad de funcionamiento, a partir de ahora estos dos transistores son preseleccionados. En caso de desperfecto de uno de los transistores TS7504 ó TS7506 (BU2508AF) habrán de reemplazarse ambos transistores para evitar que se repita el desperfecto.
Número de código: 4822 130 62934 (2xON4673).

3. PIP con segundo terminal de entrada.

En todos los aparatos FL1.1. de 33" se ha aplicado un módulo PIP con segundo terminal de entrada. En todos los otros aparatos FL1.1 se aplicará, a partir del AG04, el circuito impreso del módulo PIP con segundo terminal de entrada. En esta información de servicio se dan el esquema de principio, el circuito impreso y la lista de piezas de este módulo.

Second tuner PIP (continued)

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W

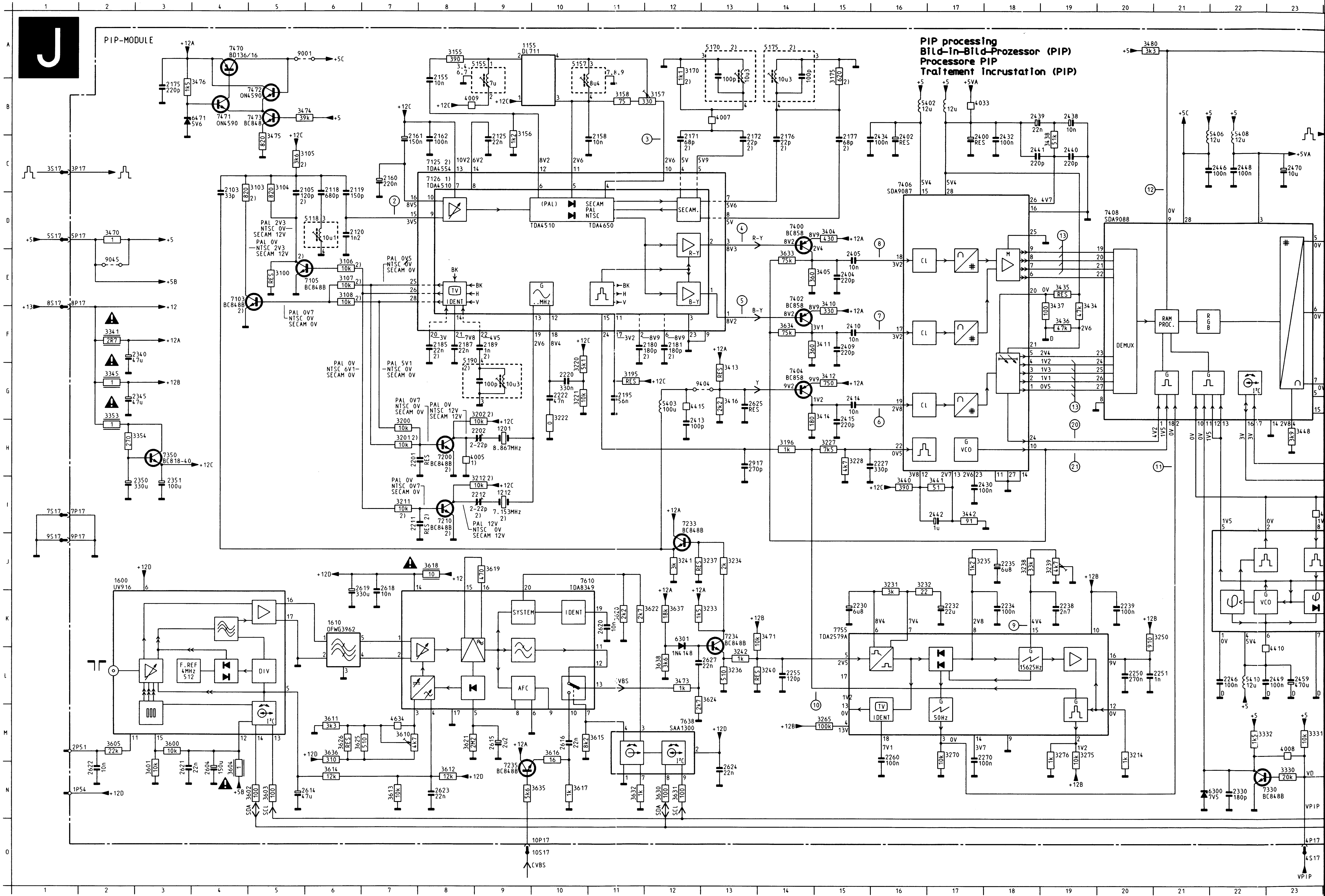
Jumpers

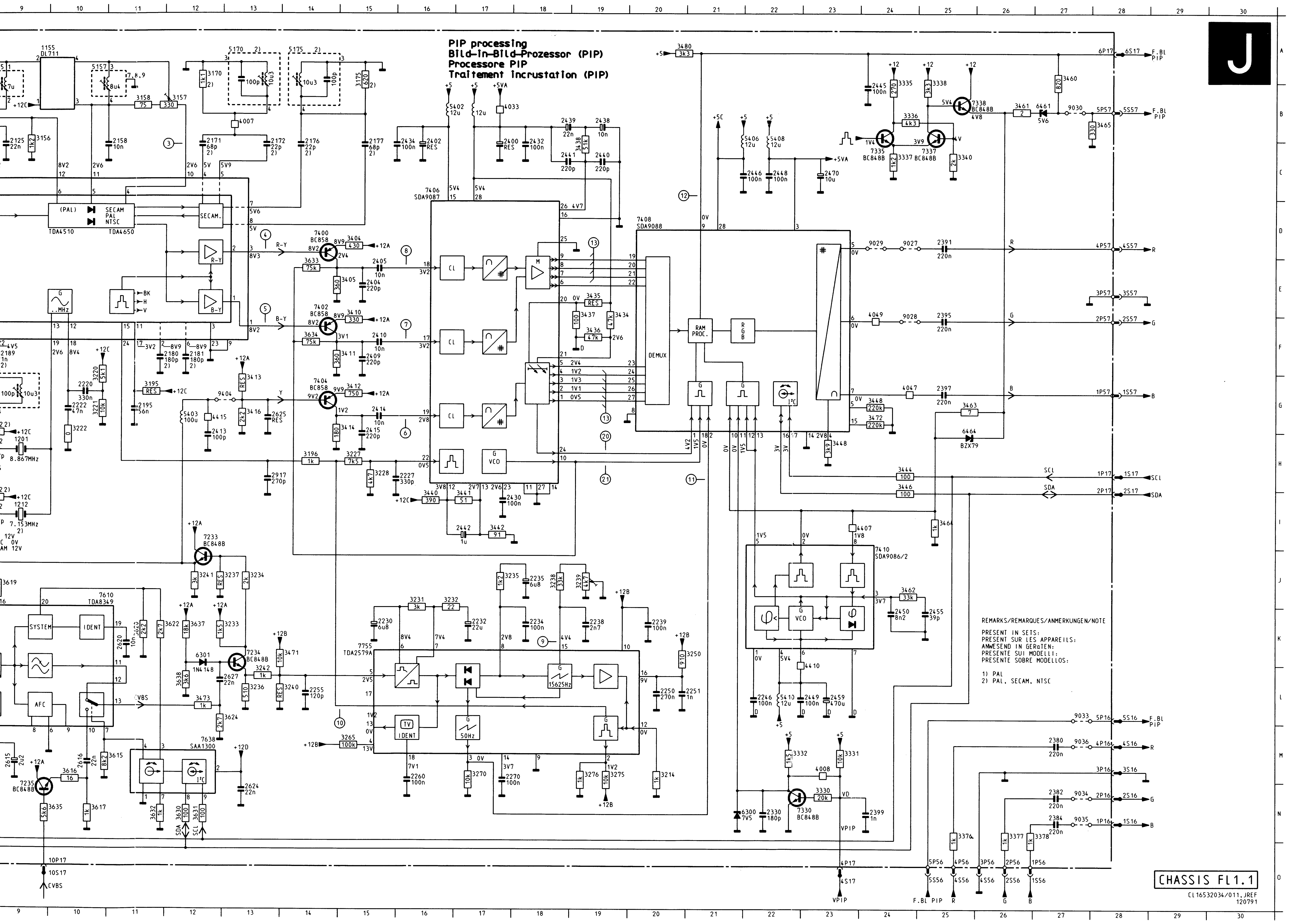
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8


J
PIP-MODULE
PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)
7470 BD136/16
7471 ON4590
7472 ON4590
7473 BC848
6471 5V6
9001
+5C
3S17
3P17
5S17
5P17
8S17
8P17
7S17
7P17
9S17
9P17
3470
9045
+5B
+12
3341 2R7
3345
3353
2340 47u
2345 47u
7350 BC818-40
3354 270
2350 330u
2351 100u
7125 TDA4554
7126 TDA4510
(PAL)
SECAM
PAL
NTSC
TDA4510
TDA4650
SECAM.
R-Y
B-Y
TV IDENT
BK
H
V
G ..MHz
7105 BC848B
7103 BC848B
5118 10u1
1155 DL711
3155 390
5155 7u
5157 8u4
3158 75
3157 330
5170
5175
3170 1k1
3175 620
4007
100p
10u3
PAL 2V3
NTSC 0V
SECAM 12V
PAL 0V7
NTSC 0V
SECAM 0V
PAL 0V5
NTSC 0V
SECAM 0V
PAL 0V
NTSC 6V1
SECAM 0V
PAL 5V1
NTSC 0V
SECAM 0V
7200 BC848B
7210 BC848B
1201 8.867MHz
1212 7.153MHz
PAL 12V
NTSC 0V
SECAM 12V
5190 10u3
3195 RES
5403 100u
4415
9404
7400 BC858
7402 BC858
7404 BC858
3404 430
3410 330
3412 750
3633 75k
3634 75k
7406 SDA9087
Cl
M
VCO
7408 SDA9088
DEMUX
RAM PROC.
R G B
3480 3k3
+5VA
5402 12u
4033
2439 22n
2438 10n
3438 51k
2441 220p
2440 220p
5406 12u
5408 12u
2446 100n
2448 100n
2470 10u
3435 RES
3437 100
3434 47k
3436 47k
3440 390
3441 51
2442 1u
3442 91
3196 1k
3227 7k5
3228 4k7
7233 BC848B
3241 3k
3237 RES
3234 2k
1600 UV916
F.REF 4MHz 512
DIV
1610 OFWG3962
3618 10
3619 470
7610 TDA8349
SYSTEM
IDENT
AFC
VBS
7234 BC848B
6301 1N4148
3242 1k
3471 10k
3240 RES
2255 120p
3473 1k
7638 SAA1300
7235 BC848B
3635 5k6
3605 22k
3600 10k
2P51
1P54
+12D
SDA
SCL
10P17
10S17
CVBS
7755 TDA2579A
3231 3k
3232 22
3235 1k2
2235 6u8
3238 33k
3239 4k7
15625Hz
50Hz
TV IDENT
3265 100k
3270 10k
3276 1k
3275 10k
3214 1k
3250 910
2250 270n
2251 1n
VCO
4410
5410 12u
2449 100n
2459 470u
6300 7V5
2330 180p
7330 BC848B
3332 1k5
3331 10k
4008
3330 20k
VD
VPIP
4P17
4S17



PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

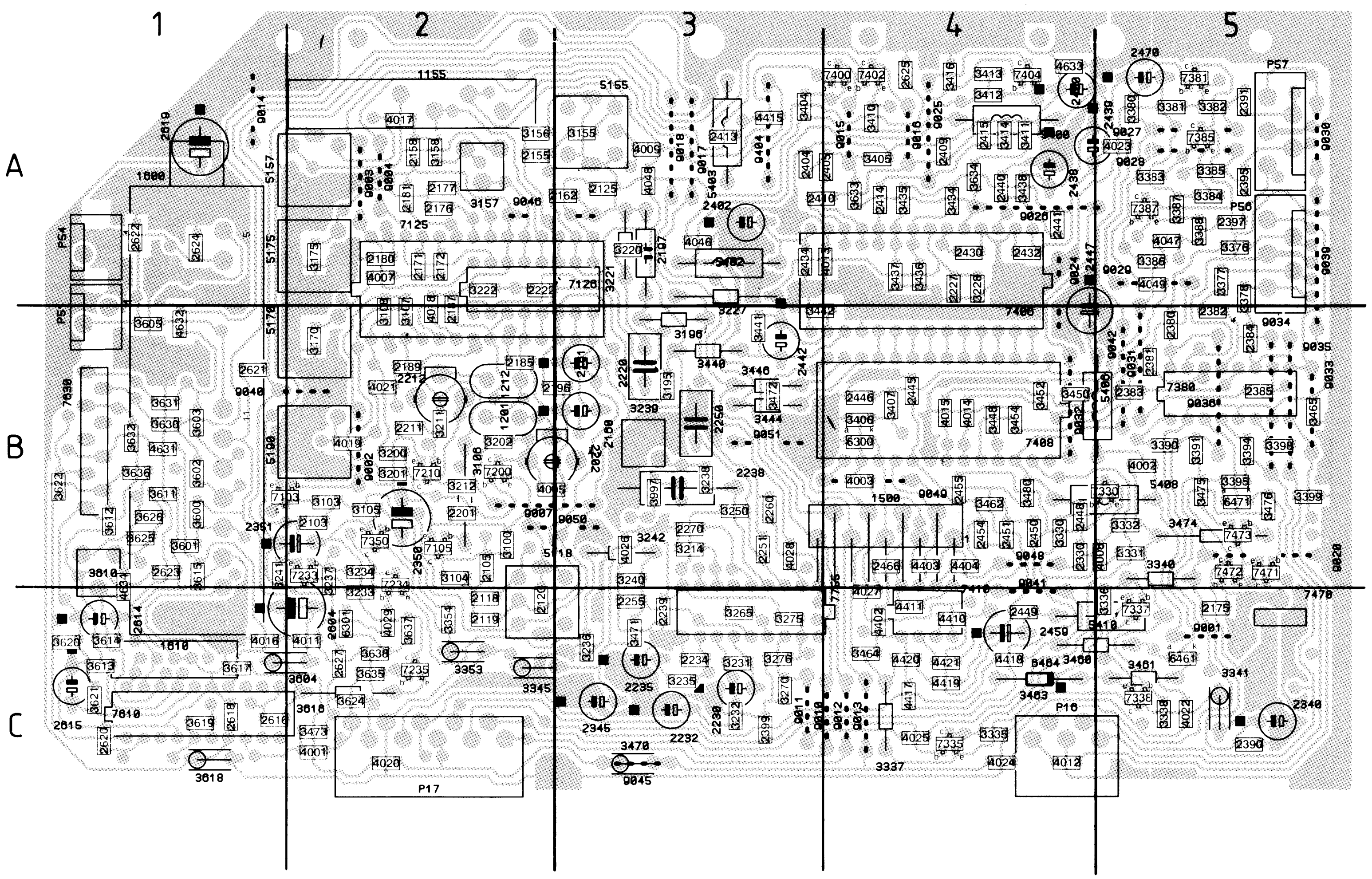
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

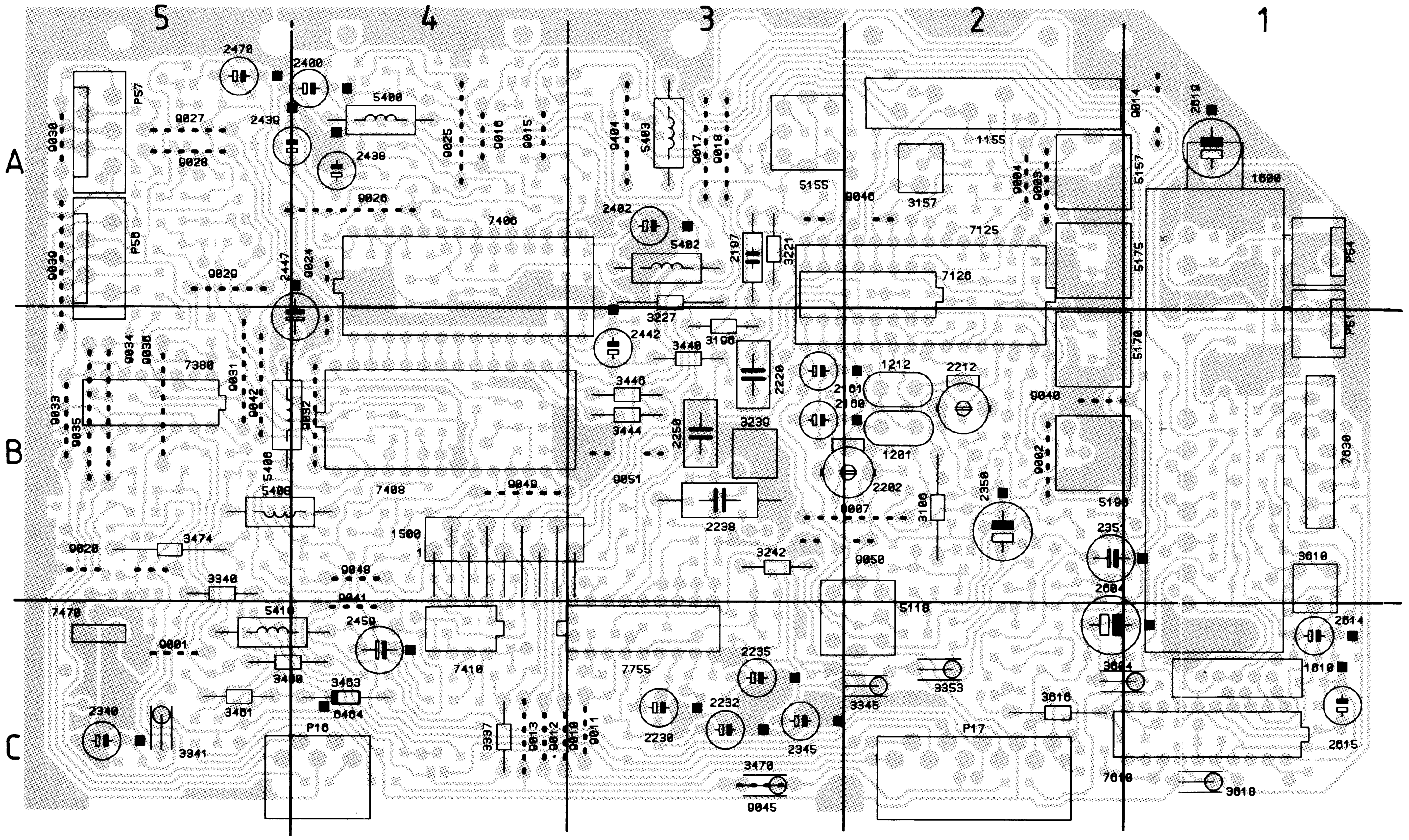
1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011, JREF
120791

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
2345	G 2	3435	E19	9034	N27
2350	I 2	3436	F19	9035	N27
2351	I 3	3437	E19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
2409	F15	3463	G25		
2410	F15	3464	I25		
2413	H12	3465	B28		
2414	G15	3470	D 2		
2415	H15	3471	K14		
2430	I17	3472	G24		
2432	C18	3473	L12		
2434	C16	3474	B 5		
2438	B19	3475	B 5		
2439	B18	3476	B 3		
2440	C19	3480	A20		
2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
2616	M10	3617	N10		
2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
2623	N 8	3624	L13		
2624	N13	3625	M 6		
2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	H13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
3211	I 7	5118	D 5		





1155	A2
1201	B2
1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
2350	B2
2351	B2
2380	B5
2381	B5
2383	B5
2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
2400	A4
2402	A3
2404	A3
2405	A4
2409	A4
2410	A4
2413	A3
2414	A4
2415	A4
2430	A4
2432	A4
2434	A3
2438	A4
2439	A5
2440	A4
2441	A4
2442	B3
2445	B4
2446	B4
2447	A4
2448	B4
2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
3100	B2
3103	B2
3104	B2
3105	B2
3106	B2
3107	A2
3108	A2
3155	A3
3156	A2
3157	A2
3158	A2
3170	B2
3175	A2
3195	B3
3196	B3
3200	B2
3201	B2
3202	B2
3211	B2
3212	B2
3214	B3
3220	A3
3221	A3
3222	A2
3227	A3
3228	A4
3231	C3
3232	C3
3233	C2
3234	B2
3235	C3
3236	C3
3237	B2
3238	B3
3239	B3
3240	B3
3241	B1
3242	B3
3250	B3
3265	C3
3270	C3
3275	C3
3276	C3
3330	B4
3331	B5
3332	B5
3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
3376	A5
3377	A5
3378	A5
3380	A5
3381	A5
3382	A5
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3385	A5
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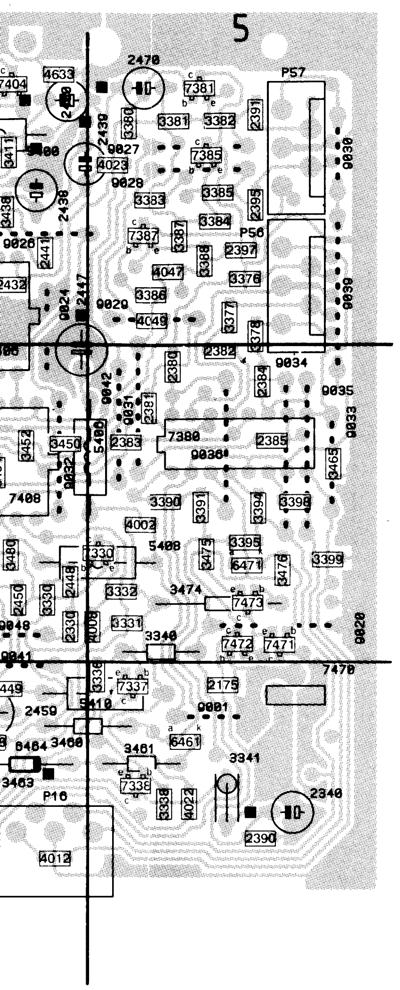
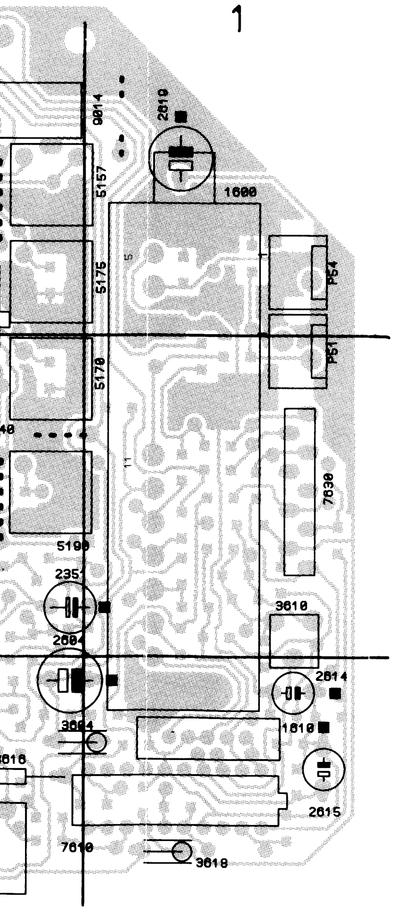
3388	A5
3390	B5
3391	B5
3394	B5
3395	B5
3398	B5
3399	B5
3404	A3
3405	A4
3406	B4
3407	B4
3410	A4
3411	A4
3412	A4
3413	A4
3414	A4
3416	A4
3434	A4
3435	A4
3436	A4
3437	A4
3438	A4
3440	B3
3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
3600	B1
3601	B1
3602	B1
3603	B1
3604	C1
3605	B1
3610	B1
3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
3619	C1
3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
9001	C5
9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
9011	C3
9012	C4
9013	C4
9014	A1
9015	A4
9016	A4
9017	A3
9018	A3
9020	B5
9024	A4
9025	A4
9026	A4
9027	A5
9028	A5
9029	A5
9030	A5
9031	B5
9032	B4
9033	B5
9034	B5
9035	B5
9036	B5
9039	A5
9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts

Second tuner P

Connectors	
	4822 265 4050
	4822 265 4047
	4822 265 3082
	4822 265 3089
	4822 265 2050
	4822 265 2051
Various parts	
1155	4822 320 4005
1201	4822 242 7030
1212	4822 242 7073
1600	4822 210 5012
1610	4822 242 8027
⊣⊢	
2103	4822 122 3244
2105	4822 122 3176
2118	4822 122 3177
2119	4822 122 3180
2120	4822 122 3180
2125	4822 122 3286
2155	4822 122 3286
2158	4822 122 3286
2160	4822 121 4240
2161	4822 121 4185
2162	4822 122 3194
2171	4822 122 3196
2172	4822 126 1117
2176	4822 126 1117
2177	4822 122 3196
2180	4822 122 3176
2181	4822 122 3176
2185	4822 122 3286
2187	4822 122 3286
2189	4822 122 3174
2196	4822 122 3310
2197	4822 122 3138
2201	4822 122 3174
2202	4822 125 5004
2211	4822 122 3174
2212	4822 125 5004
2220	5322 121 4266
2222	4822 122 3254
2227	4822 122 3184
2230	4822 124 4157
2232	4822 124 4167
2234	4822 122 3349
2235	4822 124 4157
2238	4822 121 4293
2239	4822 122 3194
2250	4822 121 5111
2251	5322 122 3164
2255	4822 122 3176
2260	4822 122 3194
2270	4822 122 3194
2330	4822 122 3259
2345	4822 124 4150
2350	4822 124 4084
2351	4822 124 4164
2380	4822 122 3292
2382	4822 122 3292
2384	4822 122 3292
2391	4822 122 3292
2395	4822 122 3292





1155	A2
1201	B2
1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
2350	B2
2351	B2
2380	B5
2381	B5
2383	B5
2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
2400	A4
2402	A3
2404	A3
2405	A4
2409	A4
2410	A4
2413	A3
2414	A4
2415	A4
2430	A4
2432	A4
2434	A3
2438	A4
2439	A5
2440	A4
2441	A4
2442	B3
2445	B4
2446	B4
2447	A4
2448	B4
2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
3100	B2
3103	B2
3104	B2
3105	B2
3106	B2
3107	A2
3108	A2
3155	A3
3156	A2
3157	A2
3158	A2
3170	B2
3175	A2
3195	B3
3196	B3
3200	B2
3201	B2
3202	B2
3211	B2
3212	B2
3214	B3
3220	A3
3221	A3
3222	A2
3227	A3
3228	A4
3231	C3
3232	C3
3233	C2
3234	B2
3235	C3
3236	C3
3237	B2
3238	B3
3239	B3
3240	B3
3241	B1
3242	B3
3250	B3
3265	C3
3270	C3
3275	C3
3276	C3
3330	B4
3331	B5
3332	B5
3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
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3377	A5
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3380	A5
3381	A5
3382	A5
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3388	A5
3390	B5
3391	B5
3394	B5
3395	B5
3398	B5
3399	B5
3404	A3
3405	A4
3406	B4
3407	B4
3410	A4
3411	A4
3412	A4
3413	A4
3414	A4
3416	A4
3434	A4
3435	A4
3436	A4
3437	A4
3438	A4
3440	B3
3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
3600	B1
3601	B1
3602	B1
3603	B1
3604	C1
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3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
3619	C1
3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
9001	C5
9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
9011	C3
9012	C4
9013	C4
9014	A1
9015	A4
9016	A4
9017	A3
9018	A3
9020	B5
9024	A4
9025	A4
9026	A4
9027	A5
9028	A5
9029	A5
9030	A5
9031	B5
9032	B4
9033	B5
9034	B5
9035	B5
9036	B5
9039	A5
9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts list / Stückliste / Liste

Second tuner PIP **J**

Connectors

	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867 238 MHz
1212	4822 242 70736	crystal 7,159 090 MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

⊣⊢

2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8μF 20% 50V
2232	4822 124 41678	22μF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8μF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47μF 20% 16V
2350	4822 124 40849	330μF 20% 16V
2351	4822 124 41643	100μF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF

⊣⊢

2397	4822 122 32927	220nF
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1μF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470μF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10μF 20% 50V
2604	4822 124 40195	150μF 20% 16V
2614	4822 124 41506	47μF 20% 16V
2615	4822 124 41576	2,2μF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330μF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

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3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

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3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

Colour television

Chassis

Service
Service
Service

FL 1.1 AC
FL 1.7 AA

Service Manual

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   - Video processing (Diagram D) 6.22
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1.2 CHASSIS FL1.1 Block diagram

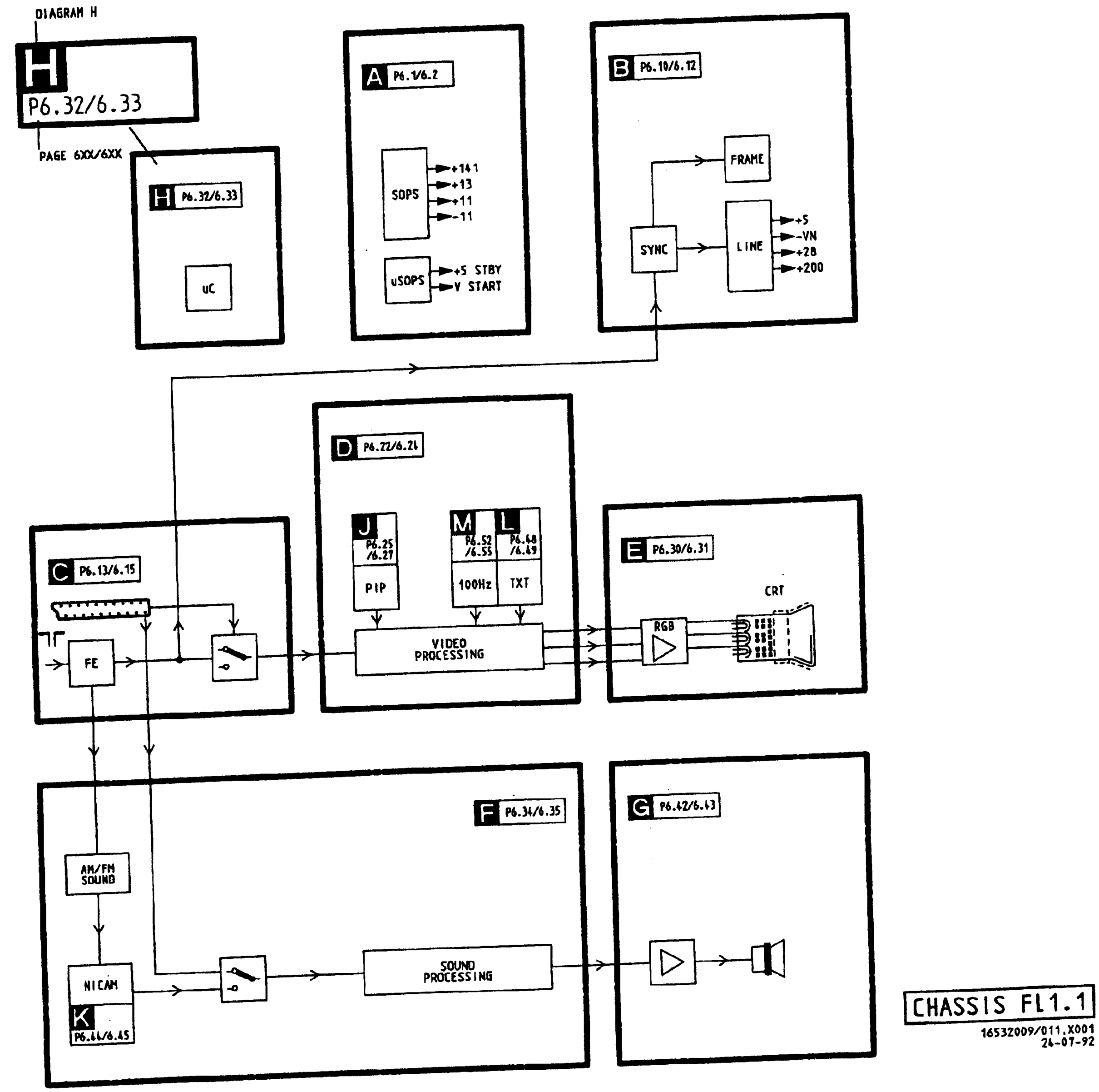


DIAGRAM H
H
P6.32/6.33
PAGE 6XX/6XX
H P6.32/6.33
uC
A P6.1/6.2
SOPS
+141
+13
+11
-11
uSOPS
+5 STBY
V START
B P6.10/6.12
FRAME
SYNC
LINE
+5
-VN
+28
+200
D P6.22/6.24
J P6.25 /6.27
PIP
M P6.52 /6.55
L P6.48 /6.49
100Hz
TXT
VIDEO PROCESSING
C P6.13/6.15
FE
E P6.30/6.31
CRT
RGB
F P6.34/6.35
AM/FM SOUND
NICAM
K P6.44/6.45
SOUND PROCESSING
G P6.42/6.43
CHASSIS FL1.1
16532009/011.X001
24-07-92

Technical data

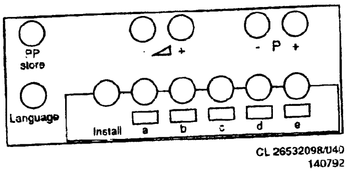
Mains voltage : 220 - 240 V (± 10%)
: 50 Hz - 60 Hz (± 5%)

Aerial input impedance : 75 Ω - koaxial
Minimum aerial voltage : 30 µV (VHF), 40 µV (UHF)
Maximum aerial voltage VHF/S/UHF : 180 µV
Pull-in range colour synchronization : ± 300 Hz
Pull-in range horizontal synchronization : +200 Hz/-300Hz

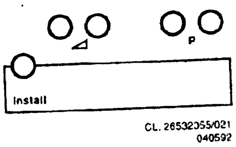
Programmes : 0 - 59
VCR programmes : 0, 00, 50 - 59

Local operation functions:

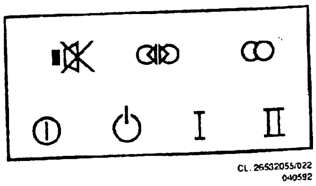
Indications:
- On Screen Display (OSD)
- LED:


PP
store
Language
Install
a
b
c
d
e
- P +
CL 26532098/040
140792

FL1.1


P
Install
CL 26532055/021
040592

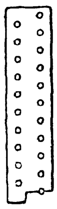
FL1.7


I
II
CL 26532055/022
040592

Connection facilities

1. Specification of the connectors

EXT1 (AUX)



1 -Audio ○→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →○ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ○→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio →○ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status 1 →○ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
13 -Red ⊥
14 --
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ○→ (1V_{pp}/75Ω)
20 -CVBS →○ (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS[1] 1 - ⊥
2 - ⊥
3 - Y →○ (1V_{pp}; 75Ω)
4 - C →○ (0,3V_{pp}; 75Ω)

◎ CINCH Video →○ 300mV_{pp}/75Ω[1]
◎ CINCH Audio →○ L (0,5V_{RMS}; ≥ 10kΩ)[1]
◎ CINCH Audio →○ R (0,5V_{RMS}; ≥ 10kΩ)[1]

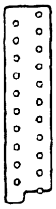
◎ 3.5mm 32-2000Ω ≥ 10mW

Audio out (rear)

◎ CINCH Audio ○→ L (0,5V_{RMS}; ≤ 1kΩ)
◎ CINCH Audio ○→ R (0,5V_{RMS}; ≤ 1kΩ)

front : 2 x 16W / 8Ω[1]
rear : 2 x 6W / 8Ω[1]

EXT2 (VCR)



1 -Audio ○→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →○ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ○→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio →○ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 --
8 -CVBS-status 2 →○ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
13 --
14 --
15 --
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS →○ (1V_{pp}/75Ω)
20 -CVBS →○ (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (SVHS) (rear)

SVHS 1 - ⊥
2 - ⊥
3 - Y →○ (1V_{pp}; 75Ω)
4 - C →○ (0,3V_{pp}; 75Ω)

◎ CINCH Audio →○ L (0,5V_{RMS}; ≥ 10kΩ)
◎ CINCH Audio →○ R (0,5V_{RMS}; ≥ 10kΩ)

SVHS[1] 1 - ⊥
2 - ⊥
3 - Y ○→ (1V_{pp}; 75Ω)
4 - C ○→ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ○→ L (0,5V_{RMS}; ≤ 1kΩ)[1]
◎ CINCH Audio ○→ R (0,5V_{RMS}; ≤ 1kΩ)[1]

---

[1] Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

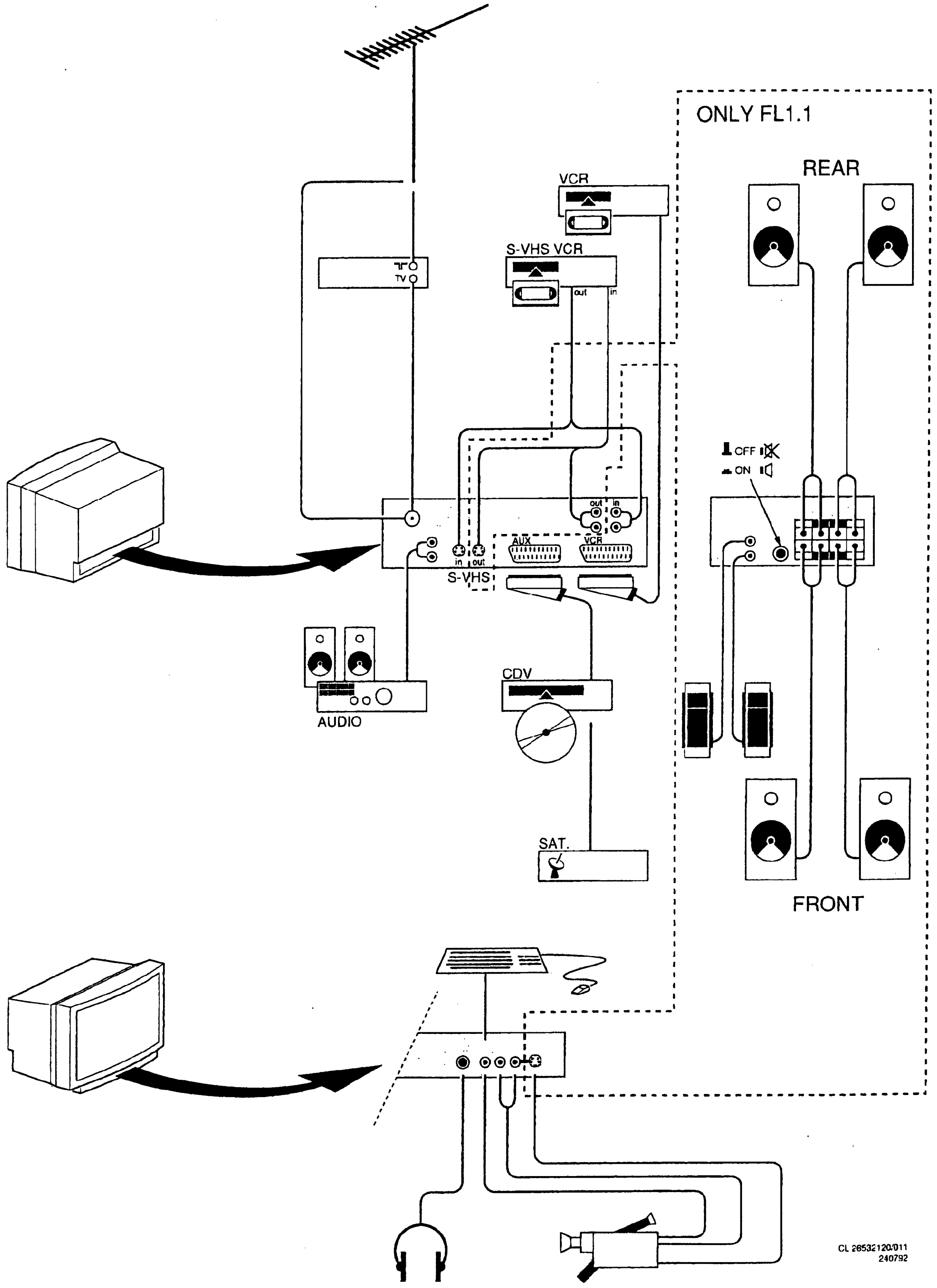

ONLY FL1.1
REAR
VCR
S-VHS VCR
out
in
TV
OFF
ON
out
in
AUX
VCR
in
out
S-VHS
AUDIO
CDV
SAT.
FRONT
CL 26532120/011
240792

Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is OV (after approx. 30s).

3. **ESD** ⚠

   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥ϟ) as this is called.

2. The direct voltages and oscillograms shown in the diagrams should be measured in the Service Default Mode (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

3. Where necessary, the oscillograms and direct voltages are measured with (┐┌) and without aerial signal (╳). Voltages in the power supply section are measured both for normal operation (Ⓘ) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

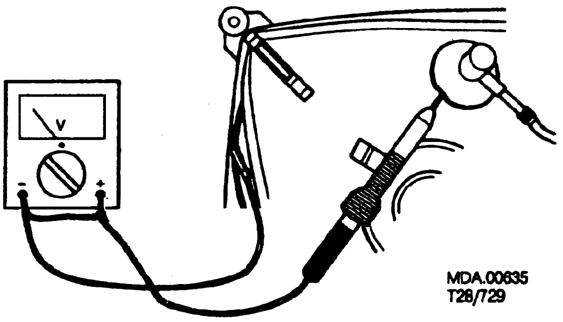


fig. 3.1

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diagram

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Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

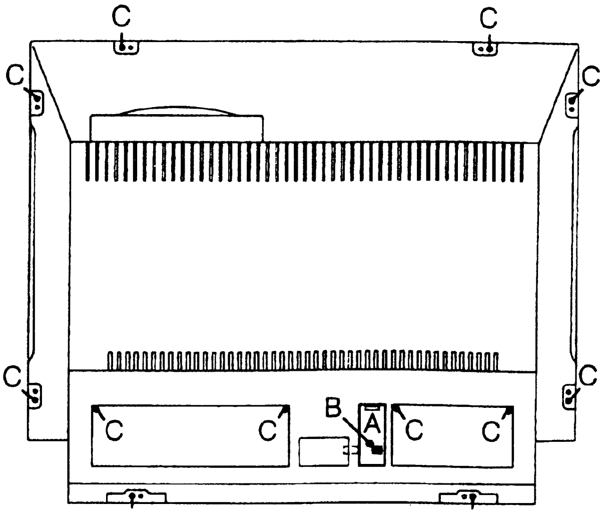
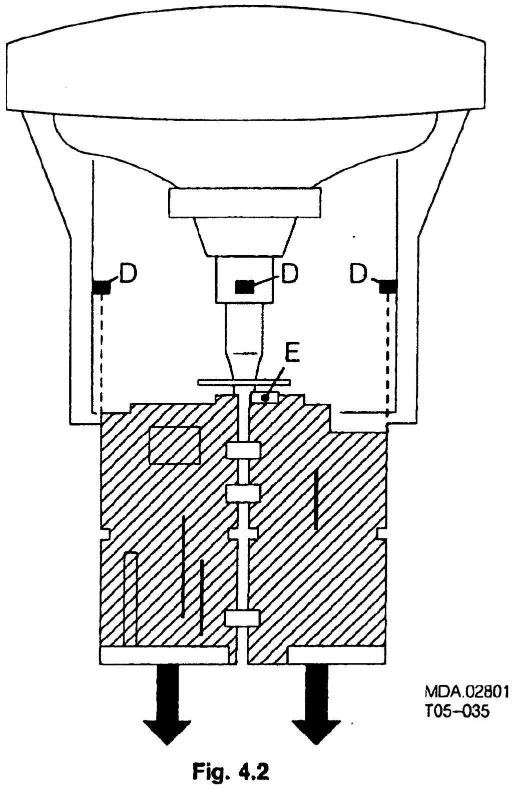


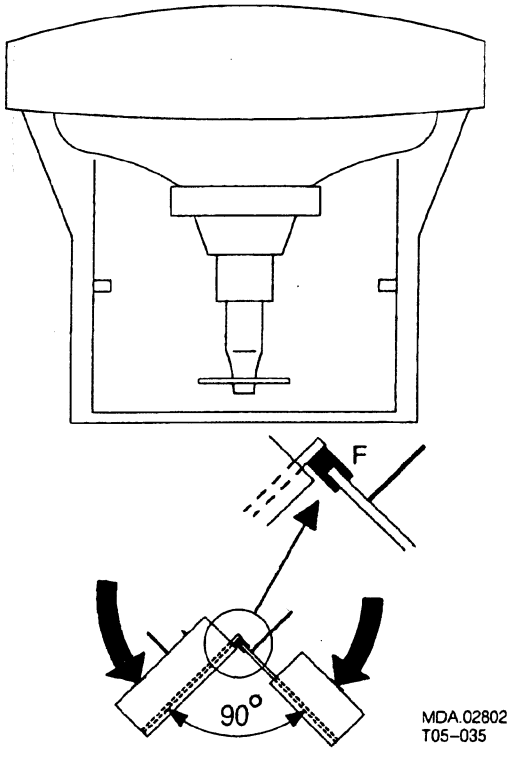
Fig. 4.1

MDA.02803
T05-035



MDA.02801
T05-035

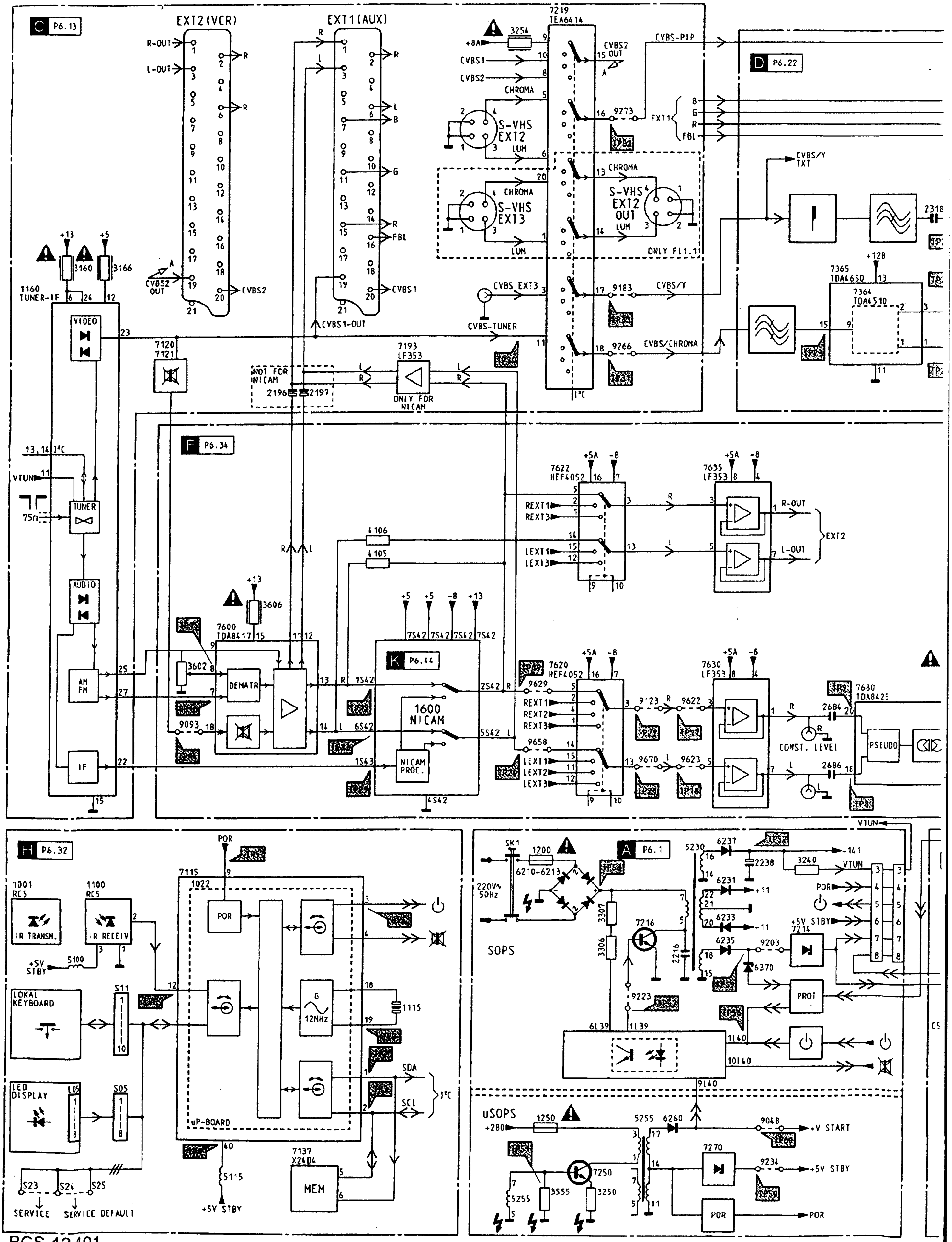
Fig. 4.2



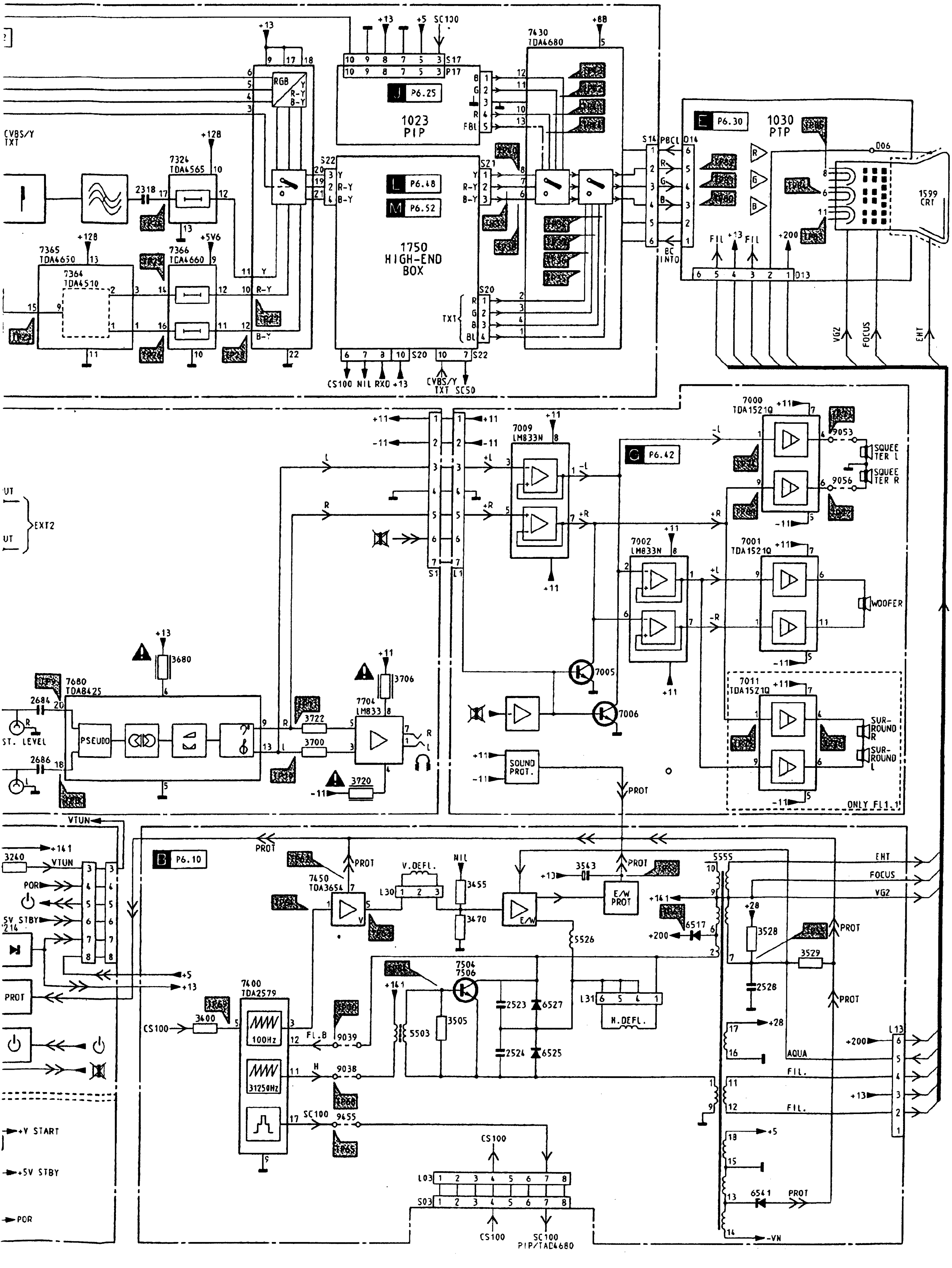
MDA.02802
T05-035

Fig. 4.3

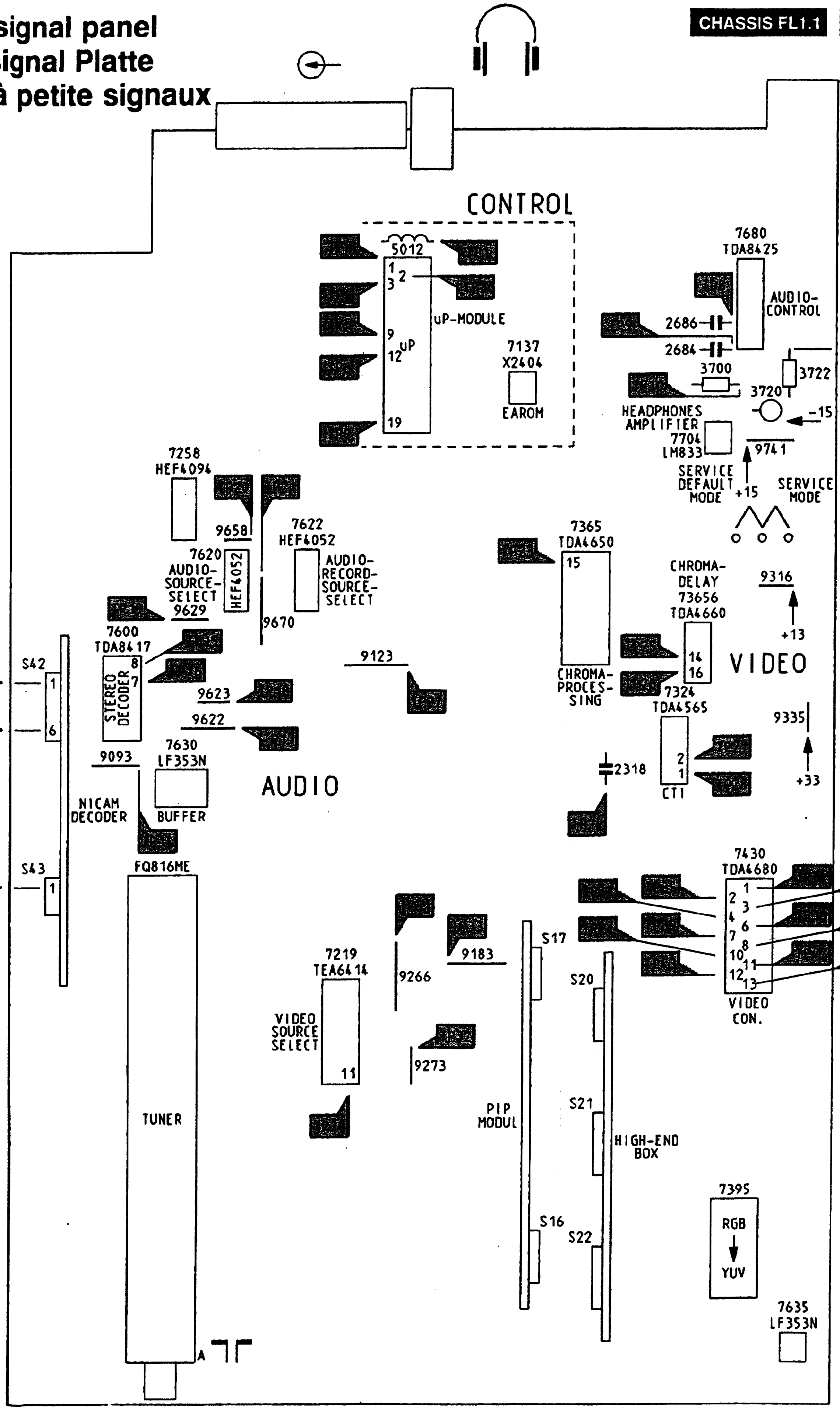
Blockdiagram / Blockschaltbild /


C P6.13
EXT2 (VCR)
EXT1 (AUX)
R-OUT
L-OUT
CVBS2 OUT
CVBS2
CVBS1
CVBS1-OUT
1160 TUNER-IF
VIDEO
TUNER
75Ω
VTUN
13, 14 I²C
AUDIO
AM FM
IF
7120 7121
NOT FOR NICAM
2196 2197
7193 LF353
ONLY FOR NICAM
7219 TEA6414
3256
+8A
CVBS-PIP
CHROMA
S-VHS EXT2
LUM
S-VHS EXT3
S-VHS EXT2 OUT
ONLY FL1.1
CVBS EXT3
CVBS-TUNER
9273
9183
9266
CVBS/Y
CVBS/CHROMA
I²C
D P6.22
EXT1
B
G
R
FBL
CVBS/Y TXT
7365 TDA4650
7364 TDA4510
+12B
2318
F P6.34
7600 TDA8417
3606
3602
DEMATR
9093
4106
4105
K P6.44
1600 NICAM
NICAM PROC.
7S42
1S42
2S42
4S42
5S42
6S42
1S43
7622 HEF4052
7635 LF353
REXT1
REXT3
LEXT1
LEXT3
R-OUT
L-OUT
EXT2
7620 HEF4052
7630 LF353
9629
9658
REXT2
LEXT2
9123
9622
9670
9623
2684
2686
CONST. LEVEL
7680 TDA8425
PSEUDO
H P6.32
1001 RC5 IR TRANSM.
1100 RC5 IR RECEIV
+5V STBY
5100
LOKAL KEYBOARD
S11
LED DISPLAY
L05
S05
S23
S24
S25
SERVICE
SERVICE DEFAULT
7115
1022
POR
12MHz
1115
SDA
SCL
I²C
uP-BOARD
5115
7137 X2404
MEM
A P6.1
SK1
1200
6210-6213
220V~ 50Hz
SOPS
3307
3306
7216
2216
9223
5230
6237
2238
3240
+141
VTUN
6231
+11
6233
-11
6235
9203
6370
7214
+5V STBY
PROT
6L39
1L39
1L40
10L40
9L40
uSOPS
+280
1250
5255
6260
9048
+V START
7270
9234
7250
3555
3250
5255
POR
CS

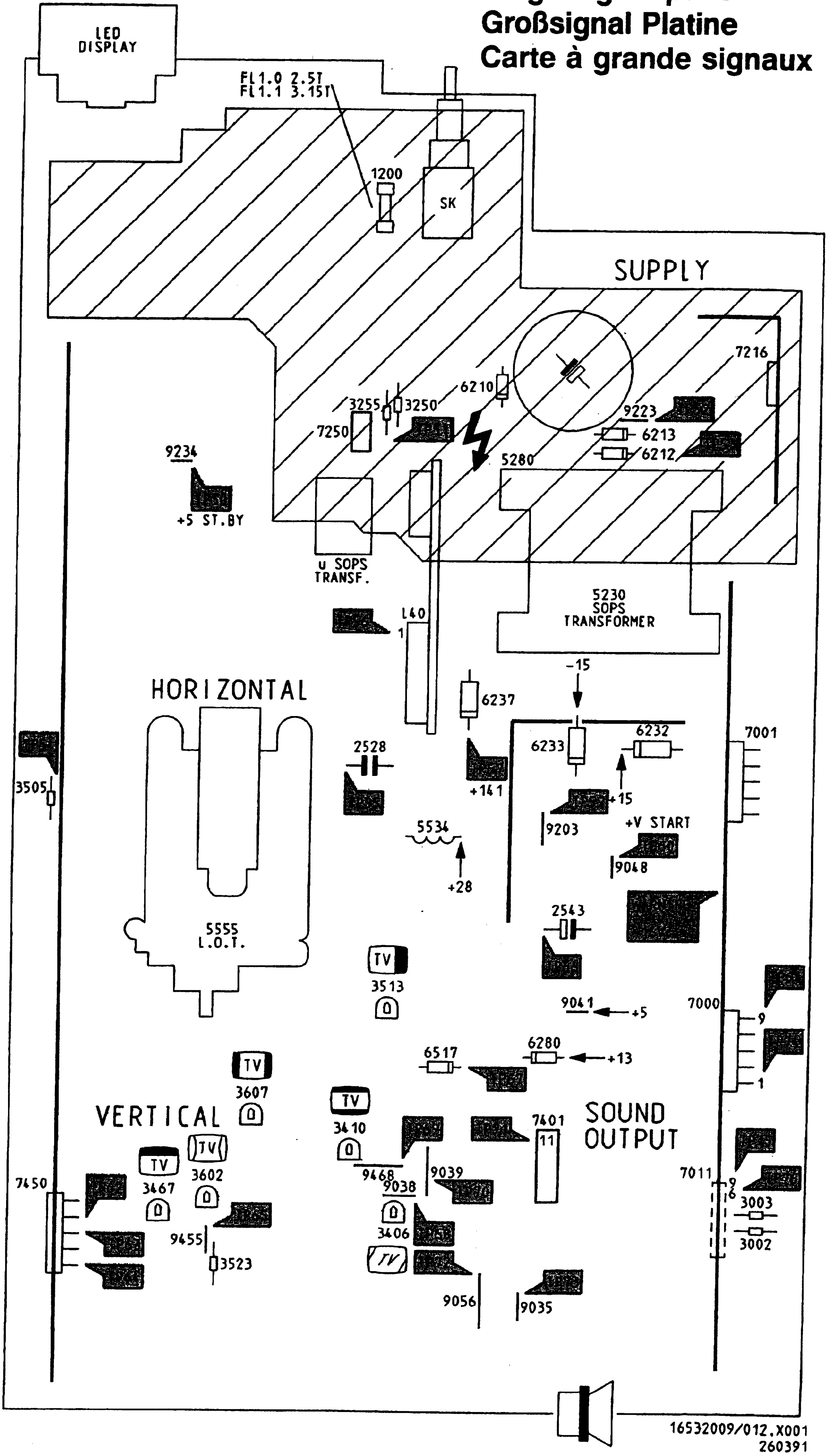
5.1 5.2 CHASSIS FL 1.1 Diagramme schématique


CVBS/Y TXT
7324 TDA4565
2318
7365 TDA4650
7364 TDA4510
7366 TDA4660
+128
+5V6
+13
RGB
Y R-Y B-Y
S22
1023 PIP
J P6.25
S17 P17
+5
SC100
1750 HIGH-END BOX
L P6.48
M P6.52
S21
S20
TX1
CS100 NIL RXD +13
CVBS/Y TXT SC50
7430 TDA4680
+8B
S14 PBCL D14
BC INTO
E P6.30
1030 PTP
006
1599 CRT
FIL +13 FIL
+200
D13
VG2
FOCUS
EHT
EXT2
S1 L1
+11 -11
L R
7009 LM833N
G P6.42
7000 TDA1521Q
9053
SQUEETER L
SQUEETER R
9056
7002 LM833N
7001 TDA1521Q
WOOFER
7005
7006
7011 TDA1521Q
SURROUND R
SURROUND L
ONLY FL1.1
SOUND PROT.
PROT
7680 TDA8425
3680
2684
ST. LEVEL
2686
PSEUDO
7704 LM833
3706
3722
3700
3720
VTUN
3260
+141
POR
5V STBY
6214
B P6.10
7450 TDA3654
V.DEFL.
L30
NIL
3455
3470
3543
E/W PROT
E/W
5526
5555
+28
6517
3528
3529
2528
7400 TDA2579
3400
CS100
100Hz
31250Hz
FL.B
9039
H
9038
SC100
9455
+161
7504 7506
5503
3505
2523
2524
6527
6525
L31
H.DEFL.
AQUA
FIL.
L13
+5
+13
+V START
+5V STBY
POR
L03
S03
CS100
SC100 PIP/TAD4680
6541
-VN

Small signal panel
Klein-signal Platte
Carte à petite signaux

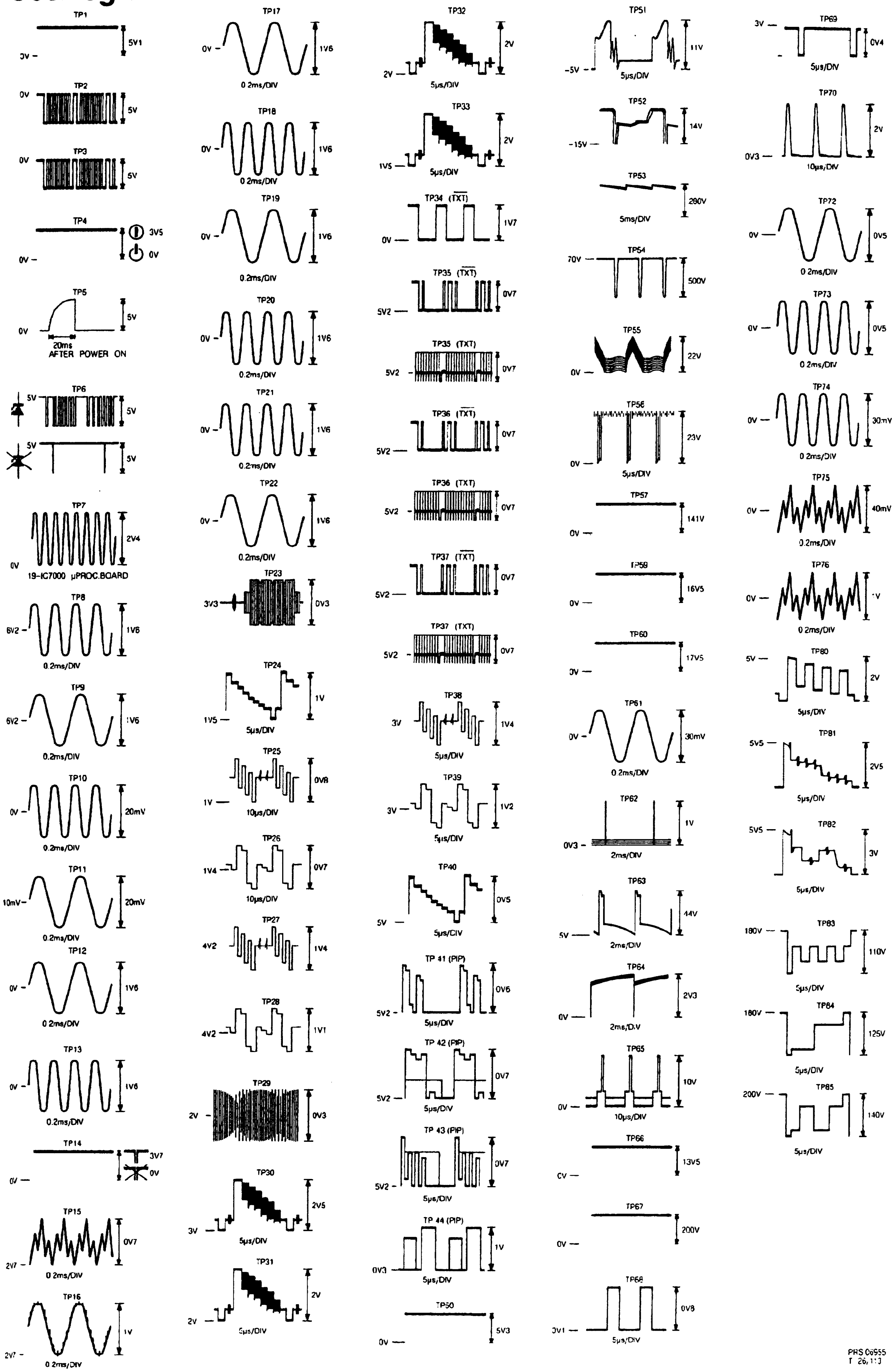

CONTROL
5012
1
3
2
9
12
uP
19
uP-MODULE
7137
X2404
EAROM
7680
TDA8425
AUDIO-
CONTROL
2686
2684
3700
3720
3722
-15
HEADPHONES
AMPLIFIER
7704
LM833
9741
SERVICE
DEFAULT
MODE
+15
SERVICE
MODE
7258
HEF4094
9658
7620
AUDIO-
SOURCE-
SELECT
9629
HEF4052
7622
HEF4052
AUDIO-
RECORD-
SOURCE-
SELECT
9670
7365
TDA4650
15
CHROMA-
PROCES-
SING
CHROMA-
DELAY
73656
TDA4660
14
16
9316
+13
VIDEO
7600
TDA8417
8
7
STEREO
DECODER
S42
1
6
9123
9623
9622
9093
7630
LF353N
BUFFER
AUDIO
NICAM
DECODER
7324
TDA4565
2
1
CTI
2318
9335
+33
S43
1
FQ816ME
TUNER
A
7430
TDA4680
1
2
3
4
6
7
8
10
11
12
13
VIDEO
CON.
9266
9183
S17
S20
7219
TEA6414
VIDEO
SOURCE
SELECT
11
9273
PIP
MODUL
S21
HIGH-END
BOX
S16
S22
7395
RGB
YUV
7635
LF353N
16532009/013.X001
120391

Large signal panel
Großsignal Platine
Carte à grande signaux


LED DISPLAY
FL1.0 2.5T
FL1.1 3.15T
1200
SK
SUPPLY
7216
6210
3255
3250
9223
7250
6213
6212
9234
5280
+5 ST.BY
u SOPS TRANSF.
5230 SOPS TRANSFORMER
L40
1
HORIZONTAL
-15
6237
6232
6233
7001
2528
3505
+141
+15
5534
9203
+V START
9048
+28
2543
5555 L.O.T.
TV
3513
9041
+5
7000
9
6517
6280
+13
1
TV
3607
VERTICAL
TV
3410
7401
11
SOUND OUTPUT
TV
TV
3602
7011
9
6
9468
9038
9039
3003
3002
7450
3467
9455
3406
3523
TV
9056
9035

16532009/012.X001
260391

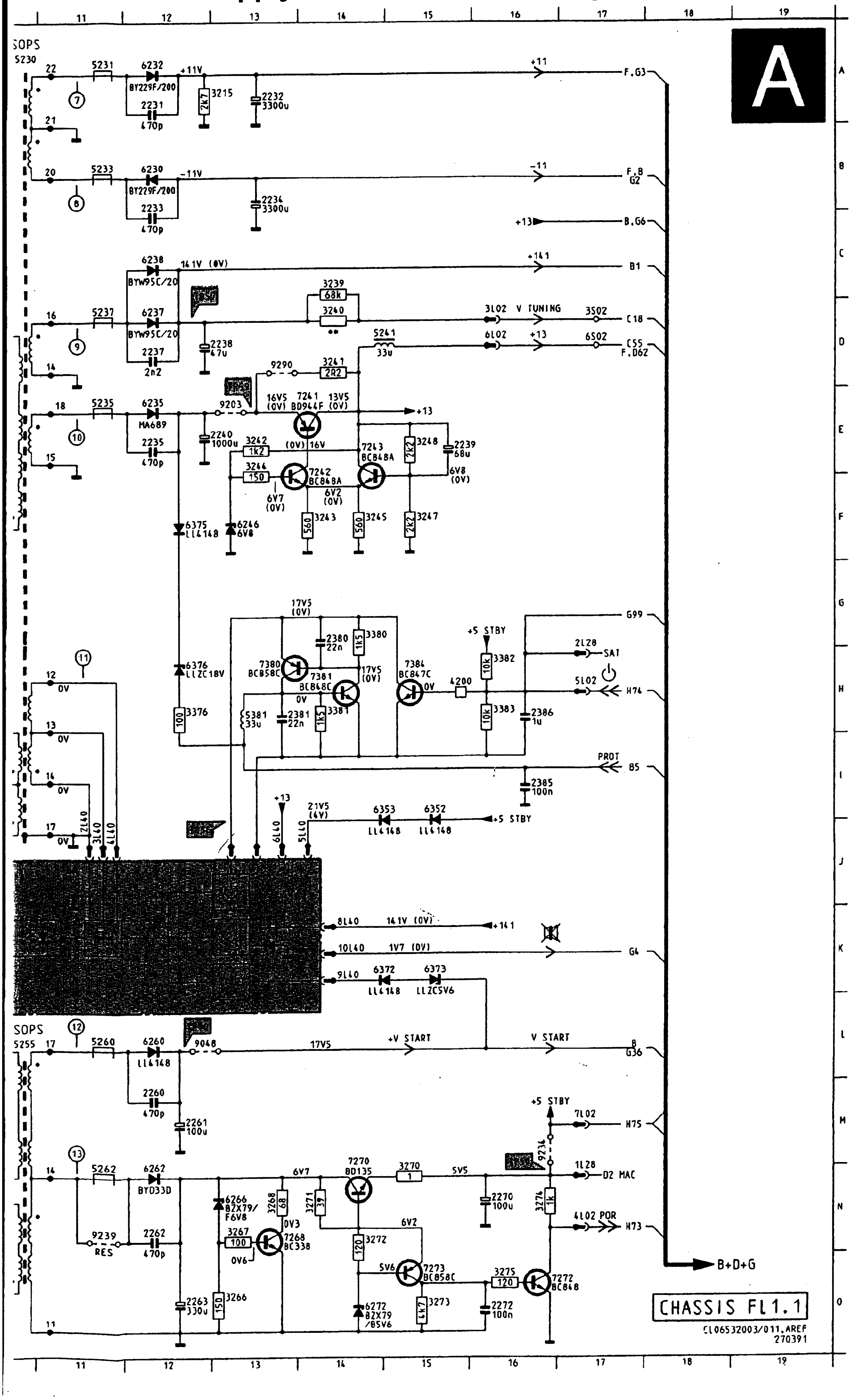
Oscillograms



PRS C6955
T 26,1:3

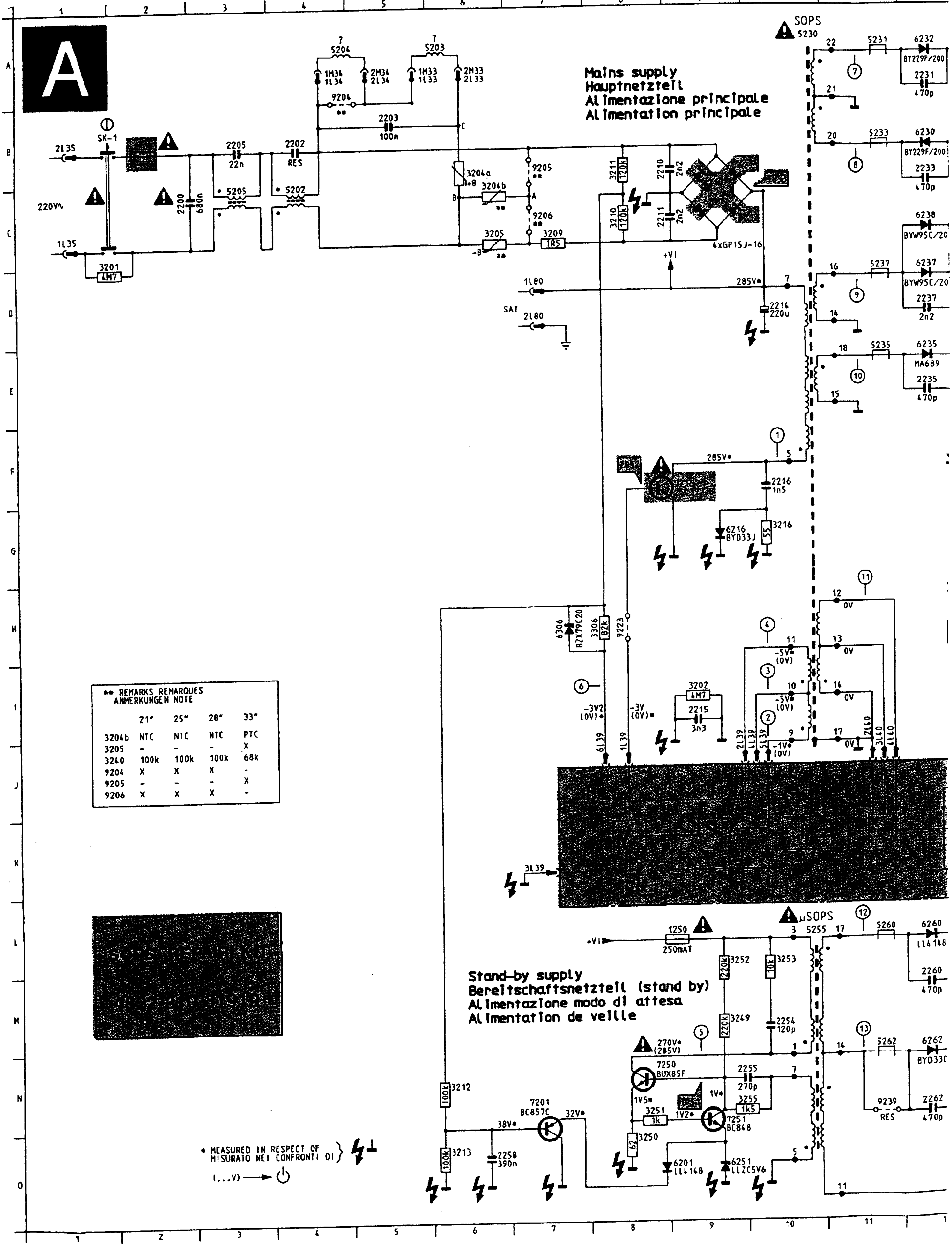
Power supply

Stromversorgung


A
SOPS
5230
5231
6232
+11V
BY229F/200
2231
470p
3215
2k7
2232
3300u
+11
F,G3
5233
6230
-11V
2233
2234
3300u
-11
F,B G2
+13
B,G6
6238
141V (0V)
BYW95C/20
+141
B1
3239
68k
3240
5237
6237
2238
47u
2237
2n2
3L02 V TUNING 3S02
C18
5241
33u
6L02 +13 6S02
C55 F,D62
9290
3241
2R2
5235
6235
MA689
9203
16V5 (0V) 7241 BD944F 13V5 (0V)
+13
2240
1000u
2235
470p
3242
1k2
3244
150
7242
BC848A
7243
BC848A
3248
2k2
2239
68u
6V8 (0V)
6V7 (0V)
6V2 (0V)
3243
560
3245
3247
6375
LL4148
6246
6V8
17V5 (0V)
2380
22n
3380
1k5
7380
BC858C
7381
BC848C
17V5 (0V)
7384
BC847C
+5 STBY
3382
10k
4200
3383
2386
1u
G99
2L28
SAT
5L02
H74
6376
LLZC18V
3376
100
5381
33u
2381
22n
3381
PROT
B5
2385
100n
+13
21V5 (4V)
6353
LL4148
6352
LL4148
+5 STBY
2L40
3L40
4L40
6L40
5L40
8L40
141V (0V)
+141
10L40
1V7 (0V)
G4
9L40
6372
LL4148
6373
LLZC5V6
SOPS
5255
5260
6260
LL4148
9048
17V5
+V START
V START
B G36
2260
470p
2261
100u
+5 STBY
7L02
H75
9234
5262
6262
BYD33D
6V7
7270
BD135
3270
5V5
1L28
D2 MAC
6266
BZX79/F6V8
3268
68
3271
39
2270
100u
3274
1k
4L02 POR
H73
9239
RES
2262
470p
3267
100
7268
BC338
0V3
0V6
3272
120
6V2
5V6
7273
BC858C
3275
120
7272
BC848
2263
330u
3266
150
6272
BZX79/B5V6
3273
4k7
2272
100n
B+D+G
CHASSIS FL1.1
CL06532003/011.AREF
270391

1200	B 2
1250	L 9
2200	C 2
2202	B 4
2203	B 5
2205	B 3
2210	B 9
2211	C 9
2214	D10
2215	I 9
2216	F10
2231	A12
2232	A13
2233	B12
2234	B13
2235	E12
2237	D12
2238	D12
2239	E15
2240	E12
2254	M10
2255	N 9
2258	O 6
2260	M12
2261	M12
2262	N12
2263	O12
2270	N16
2272	O16
2380	G14
2381	H13
2385	I 16
2386	H16
3201	C 1
3202	I 9
3204	C 6
3204	B 6
3205	C 6
3209	C 7
3210	C 8
3211	B 8
3212	N 6
3213	O 6
3215	A13
3216	G10
3239	C14
3240	D14
3241	D14
3242	E13
3243	F14
3244	E13
3245	F14
3247	F15
3248	E15
3249	M 9
3250	O 8
3251	N 8
3252	L 9
3253	L10
3255	N 9
3266	O13
3267	N13
3268	N13
3270	N15
3271	N14
3272	N14
3273	O15
3274	N16
3275	O16
3306	H 8
3376	H12
3380	G14
3381	H14
3382	H16
3383	H16
4L02	N17
4200	H15
5202	C 4
5203	A 6
5204	A 4
5205	C 3
5230	A10
5231	A11
5233	B11
5235	E11
5237	D11
5241	D14
5255	L10
5260	L11
5262	N11
5381	H13
6201	O 9
6210	C 9
6211	C 9
6212	C 9
6213	B 9
6216	G 9
6230	B12
6232	A12
6235	E12
6237	D12
6238	C12
6246	F13
6251	O 9
6260	L12
6262	N12
6266	N13
6272	O14
6306	H 7
6352	I 15
6353	I 14
6372	K14
6373	K15
6375	F12
6376	H12
7201	N 7
7216	F 9
7241	E14
7242	E14
7243	E14
7250	N 8
7251	N 9
7268	N13
7270	M14
7272	O16
7273	O15
7380	H13
7381	H14
7384	H15
9048	L12
9203	E13
9204	A 4
9205	B 7
9206	C 7
9223	H 8
9234	M16
9239	N11
9290	D13

Powe

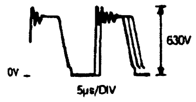

A
Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
SOPS 5230
µSOPS 5255
SK-1
220V∿
2L35
1L35
3201 4M7
2200 680n
2205 22n
5205
2202 RES
5202
5204
5203
1M34 1L34
2M34 2L34
1M33 1L33
2M33 2L33
9204
2203 100n
3204a +θ
3204b
9205
9206
3205
3209 1R5
3211 120k
3210 120k
2210 2n2
2211 2n2
4xGP15J-16
+VI
1L80
SAT
2L80
285V*
2214 220u
2216 1n5
6216 BYD33J
3216 55
5231
6232 BY229F/200
2231 470p
5233
6230 BY229F/200
2233 470p
6238 BYW95C/20
5237
6237 BYW95C/20
2237 2n2
5235
6235 MA689
2235 470p
6306 BZX79C20
3306 82k
9223
-3V2 (0V)*
-3V (0V)*
6L39
1L39
3202 4M7
2215 3n3
2L39
5L39
2L40
3L40
4L40
-5V* (0V)
-1V* (0V)
0V
3L39
1250 250mAT
3252 220k
3253 10k
3249 220k
2254 120p
270V* (285V)
7250 BUX85F
2255 270p
3255 1k5
1V5*
1V*
3251 1k
1V2*
7251 BC848
3250 62
6201 LL4148
6251 LLZC5V6
7201 BC857C
38V*
32V*
3212 100k
3213 100k
2258 390n
5260
6260 LL4148
2260 470p
5262
6262 BYD33D
9239 RES
2262 470p
SOPS REPAIR KIT
* MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
(...V)
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H I J K L M N O

** REMARKS REMARQUES
ANMERKUNGEN NOTE

	21"	25"	28"	33"
3204b	NTC	NTC	NTC	PTC
3205	-	-	-	X
3240	100k	100k	100k	68k
9204	X	X	X	-
9205	-	-	-	X
9206	X	X	X	-

L'alimentation

1



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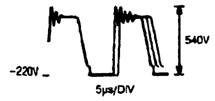

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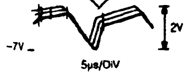

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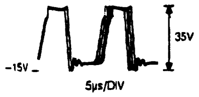

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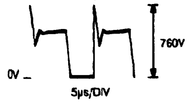

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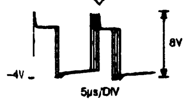

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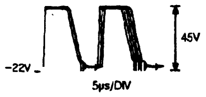

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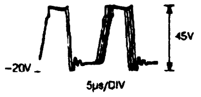

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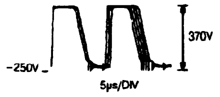

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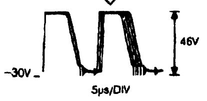

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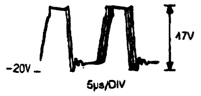

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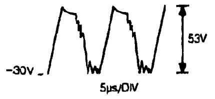

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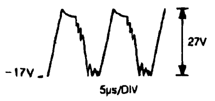
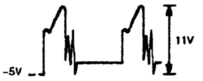


TP 50

TP 51



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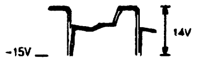
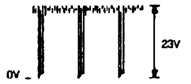


TP 53

TP 56



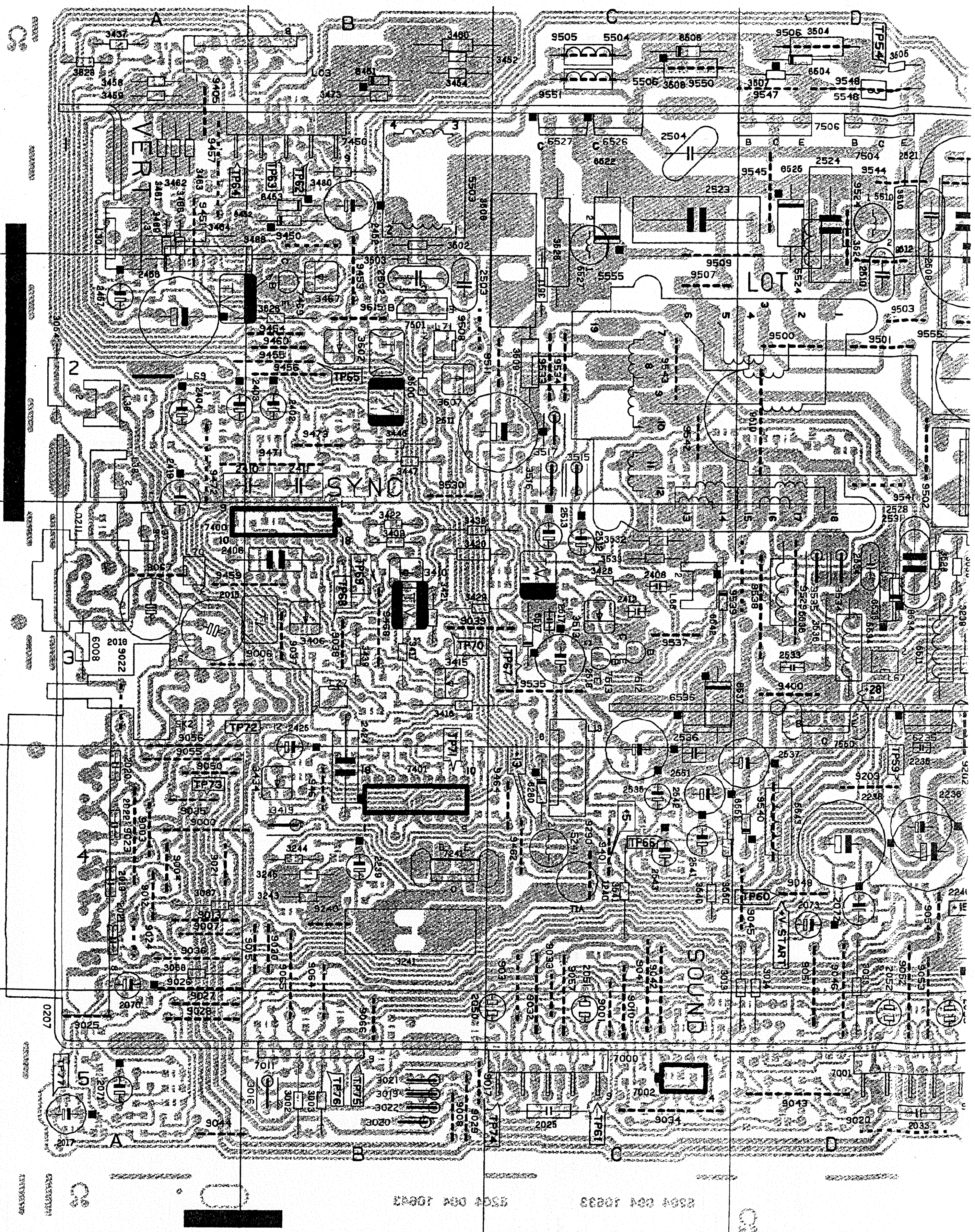
TP 57

TP 59

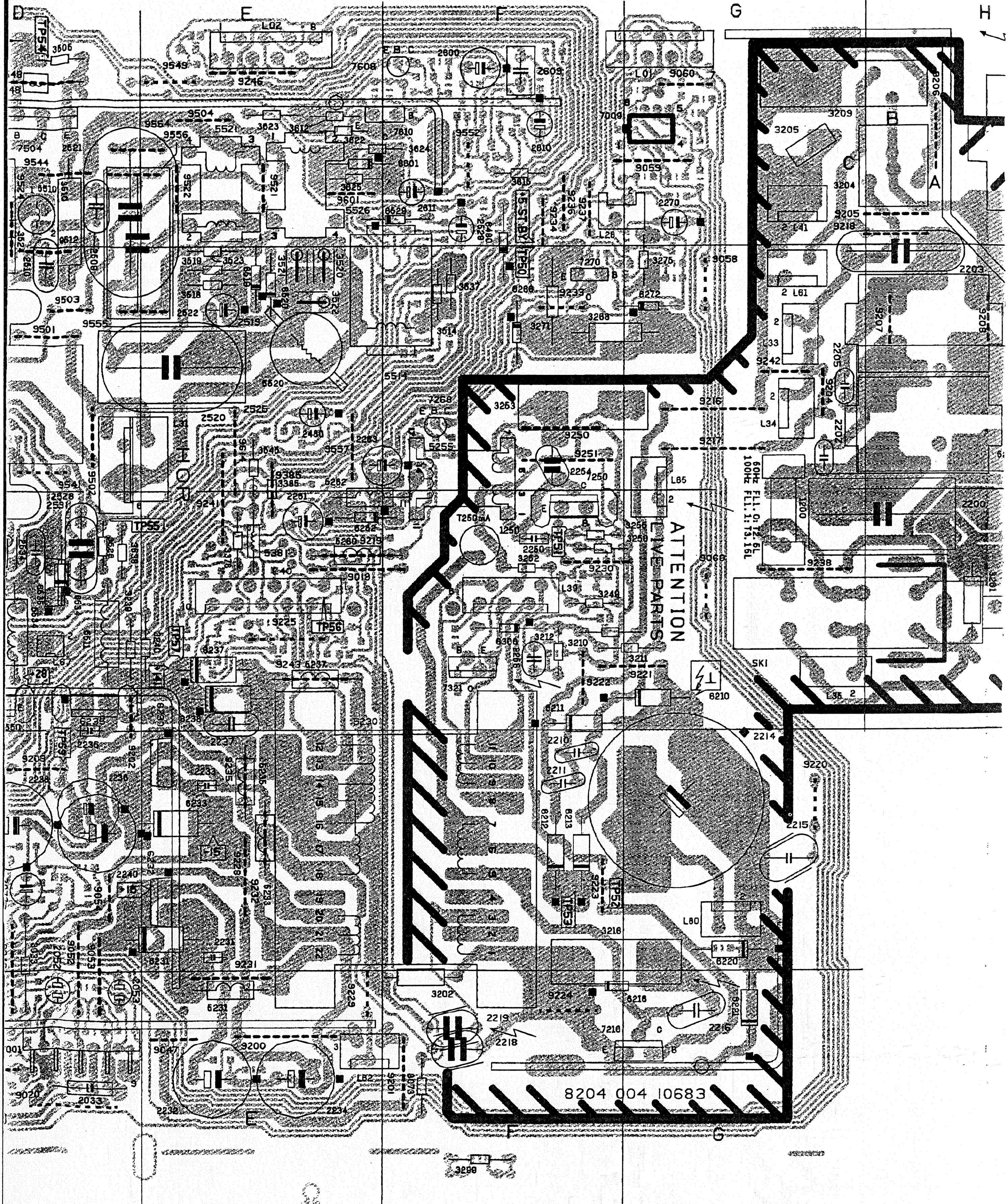
TP 60

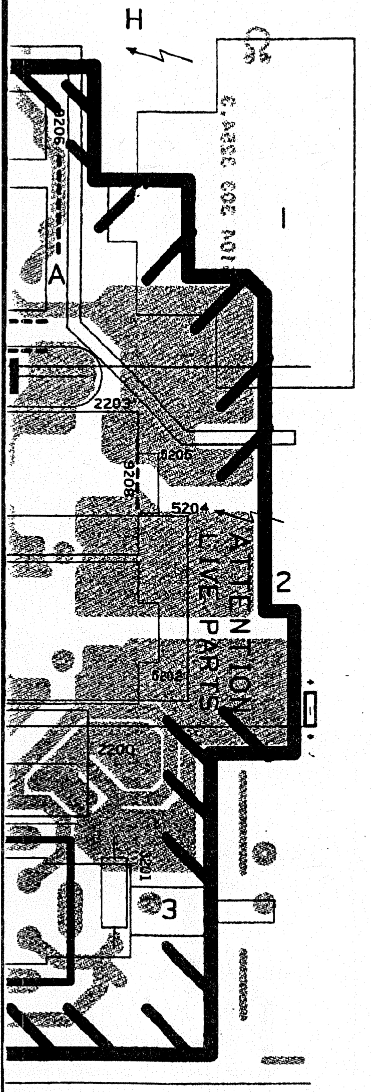
PRS 06958
T-26/113

Large signal panel Groß-signal Platine


A
B
C
D
1
2
3
4
5
VERT
SYNC
LOT
SOUND
V-START
TP54
TP55
TP59
TP60
TP61
TP62
TP63
TP64
TP65
TP66
TP67
TP68
TP69
TP70
TP71
TP72
TP73
TP74
TP75
TP76
TP77
L03
L69
3437
3480
3452
3454
9505
5504
6506
9506
3504
5506
3508
9550
9551
9548
5548
9547
7506
2504
6527
6526
6522
2523
2524
7504
9545
9544
9509
9507
5555
9500
9501
9503
7450
7400
7401
7011
7000
7001
7002
9025
9034
9043
2017
2025
2033
3241
9535
6536
2536
2537
2551
9400
9203
2238
3422
3409
3438
3420
3428
2408
3532
3533

Platine forts signeaux


D
E
F
G
H
ATTENTION
LIVE PARTS
60Hz FL1.0:T2.6L
100Hz FL1.1:T3.16L
+5 ST.BY
HOR
8204 004 10683
TP54
TP55
TP56
TP57
TP50
TP51
TP52
TP53
TP59
L02
L01
L28
L33
L34
L39
L41
L61
L65
L67
L80
L82
L35
SKI
T250mA
7608
7610
7000
7270
7216
7321
7268
5520
5514
5230
5231
5233
5237
3202
3205
3209
3204
3298
2200
2203
2214
2215
2216
2218
2219
2232
2234
2033
9020
9200
9220
9205
9218
9216
9217
9238
9058
9059
9060
9068



0207	A4
0211	A3
039	H5
040	H4
L01	F1
L02	E1
L03	A1
L13	C4
L27	B3
L28	G1
L30	A1
L31	E2
L33	G2
L34	G2
L35	G3
L36	A2
L37	A3
L38	A2
L39	F3
L40	E3
L41	G1
L61	G2
L62	E5
L65	G2
L67	D3
L68	C3
L69	A2
L70	A3
L71	B2
L80	G4
SK1	G3
SK2	B3
1200	G3
1240	C4
1250	F3
2015	A3
2016	A3
2017	A5
2019	A4
2020	A4
2021	A4
2022	A4
2025	C5
2033	D5
2050	C5
2051	C5
2052	D5
2053	D5
2070	A4
2071	A5
2072	D4
2073	D4
2200	H3
2202	G2
2203	H2
2205	G2
2210	F4
2211	F4
2214	G4
2215	G4
2216	G5
2218	F5
2219	F5
2231	E4
2232	E5
2233	E4
2234	E5
2235	D3
2236	D4
2237	E3
2238	D4
2239	B4
2240	D4
2250	F3
2254	F2
2258	F3
2261	E3
2263	E2
2270	G1
2321	H5
2351	H4
2361	H4
2372	H4
2376	H4
2402	B2
2403	A2
2404	A2
2406	B3
2408	C3
2410	B2
2411	B2
2412	C3
2419	A2
2424	B4
2425	B4
2452	B1
2456	A2
2457	A2
2480	E2
2502	B2
2503	B2
2504	C1
2509	D1
2510	D2
2511	C2
2512	C3
2513	C3
2517	C3
2518	C3
2519	E2
2520	E2
2521	D1
2522	D1
2523	C1
2524	D1
2525	E2
2528	D3
2529	F1
2531	D3
2533	D3
2534	D3
2535	C4
2536	C4
2537	D4
2541	C4
2542	C4
2543	C4
2551	C4
2600	F1
2609	F1
2610	F1
2611	F1
3002	B5
3003	B5
3013	D4
3014	D4
3016	B5
3019	B5
3020	B5
3021	B5
3022	B5
3033	D4
3054	A2
3067	A4
3068	A4
3073	F5
3201	H3
3202	F5
3204	H1
3205	G1
3209	G1
3210	F3
3211	G3
3212	F3
3216	F4
3239	D3
3240	E3
3241	B4
3243	B4
3244	B4
3245	B4
3249	F3
3250	F3
3252	F3
3253	F2
3255	F3
3268	F2
3271	F2
3275	G2
3299	F5
3300	H5
3308	H5
3310	H5
3313	H5
3314	H5
3315	H5
3331	H4
3332	H4
3351	H4
3357	H4
3358	H4
3368	H4
3369	H4
3371	H4
3374	H4
3376	E3
3385	E2
3406	B3
3409	B3
3410	B3
3415	B3
3416	B3
3417	B3
3419	B4
3420	B3
3421	B3
3422	B3
3428	C3
3429	B3
3434	B4
3437	A1
3438	B3
3439	B3
3446	B2
3447	B2
3452	B1
3454	B1
3458	A1
3459	A1
3460	B1
3461	A1
3462	A1
3463	A1
3464	A1
3466	A1
3467	B2
3468	A2
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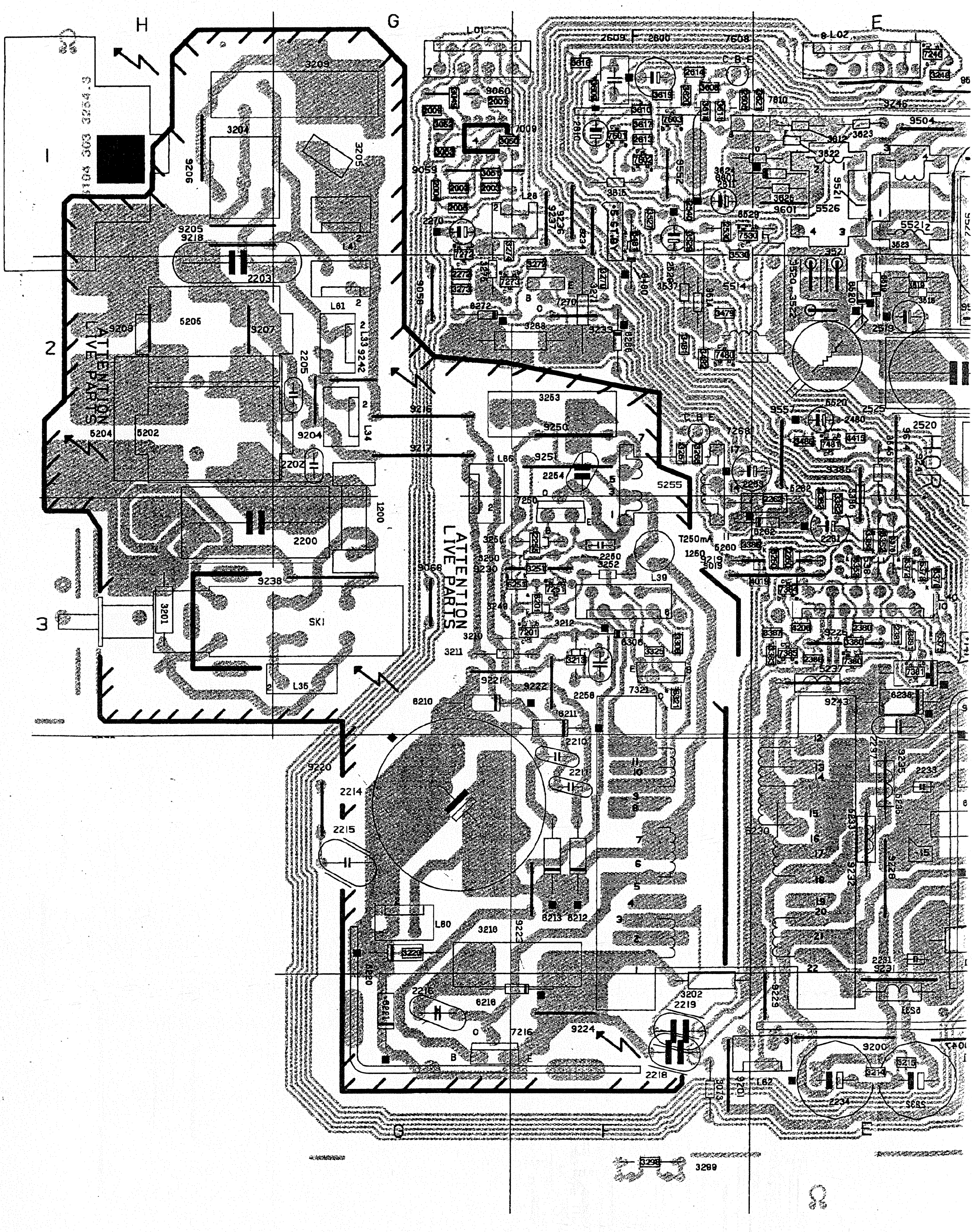
Large signal panel Groß-s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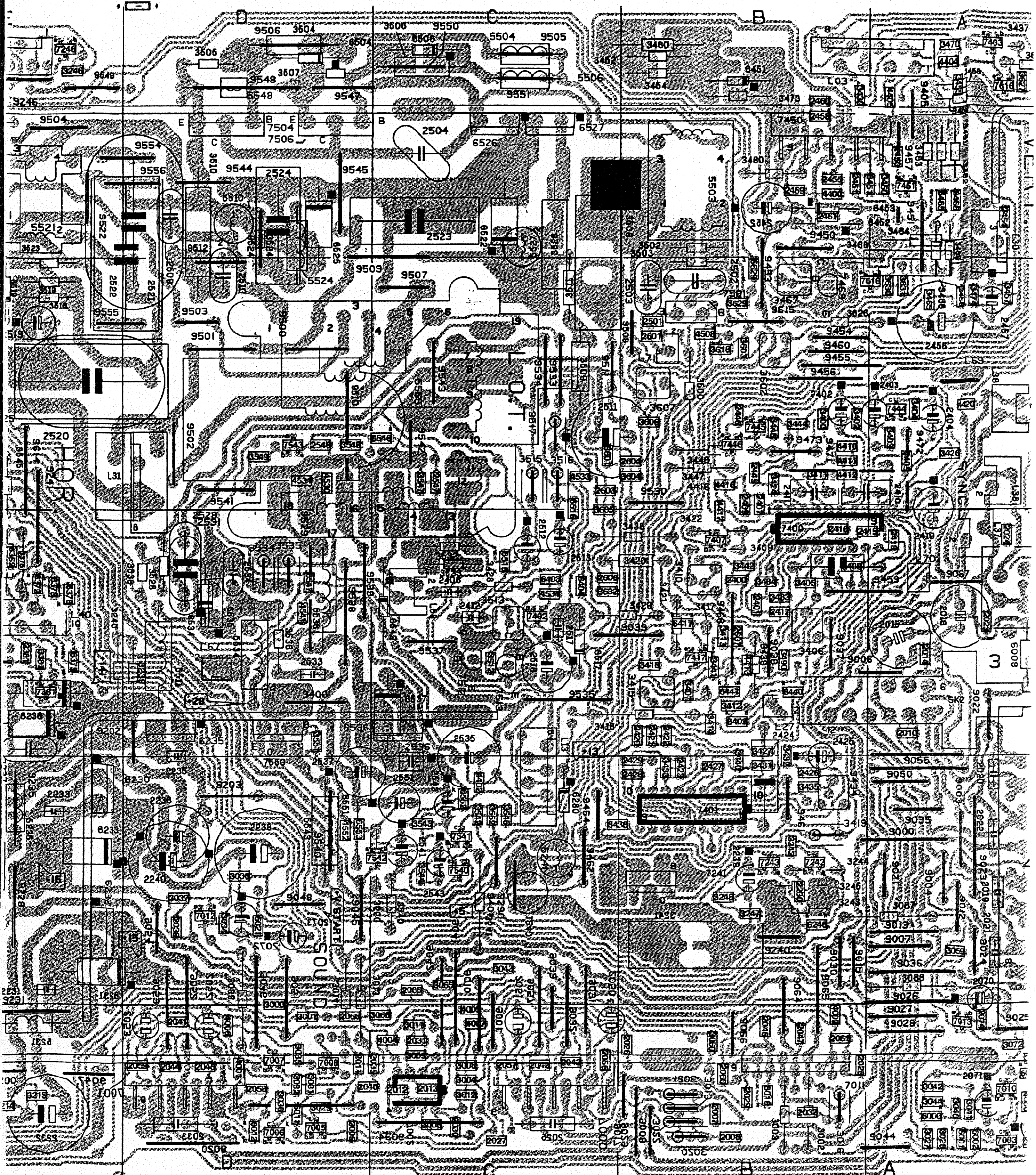
Groß-signal Platine Platine forts signeaux

CHASSIS FL1.1 **6.8** **6.9**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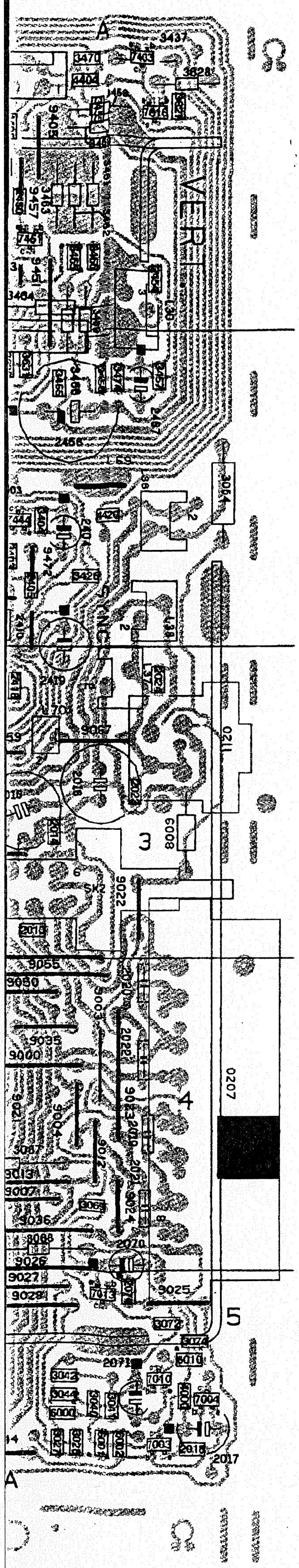

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039 H5	2219 F5	2533 D3	3266 F2	3451 A1	3626 B2	6308 H5	7407 B3	9224 F5
040 H4	2230 B4	2534 D3	3267 F2	3452 B1	3627 A1	6312 H5	7417 B3	9225 E3
L01 F1	2231 E4	2535 C4	3268 F2	3454 B1	3628 A1	6315 H5	7444 A2	9228 E4
L02 E1	2232 E5	2536 C4	3270 F2	3455 A1	3629 B2	6318 H5	7445 B2	9229 E5
L03 A1	2233 E4	2537 D4	3271 F2	3456 A2	3630 A2	6319 H5	7446 B2	9230 F3
L13 C4	2234 E5	2540 F1	3272 F2	3457 A2	3631 A2	6321 F3	7450 A1	9231 E5
L27 B3	2235 D3	2541 C4	3273 G2	3458 A1	3632 C3	6331 H4	7451 A1	9232 E4
L28 G1	2236 D4	2542 C4	3274 G1	3459 A1	4000 A5	6349 H4	7469 B2	9233 F2
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L31 E2	2238 D4	2546 D2	3298 F5	3461 A1	4002 B5	6351 H4	7481 E2	9235 E4
L33 G2	2239 B4	2547 C2	3299 F5	3462 A1	4004 C5	6352 E3	7501 B2	9236 F1
L34 G2	2240 D4	2551 C4	3300 H5	3463 A1	4005 C5	6353 E3	7504 D1	9237 F1
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2001 G1	2376 H4	3011 C5	3357 H4	3505 D1	4541 D3	6481 F1	9007 A4	9457 A1
2002 G1	2380 E3	3012 C5	3358 H4	3506 C1	4552 D4	6504 D1	9008 B5	9459 B3
2003 G1	2381 E3	3013 D4	3360 H4	3507 D1	4552 D4	6506 C1	9010 C5	9460 B2
2004 G1	2382 E3	3014 D4	3362 H4	3508 C2	5202 H2	6515 C3	9012 A4	9461 B4
2005 G1	2386 E3	3016 B5	3364 H4	3509 C2	5204 H2	6516 C2	9013 A4	9462 C4
2007 B5	2400 B3	3019 B5	3365 H4	3510 D1	5205 H2	6517 C3	9015 B4	9464 C4
2008 B5	2401 B3	3020 B5	3366 H4	3511 C2	5230 F4	6519 E2	9017 B5	9468 B3
2009 G1	2402 B2	3021 B5	3368 H4	3512 C3	5231 E5	6520 E2	9019 E3	9471 B2
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2011 D5	2404 A2	3027 A5	3370 H4	3514 F2	5235 E4	6525 D1	9021 A4	9473 B2
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2013 C5	2406 B3	3029 D5	3372 H4	3516 C2	5241 C4	6527 C1	9023 A4	9501 D2
2014 A3	2407 B2	3030 D5	3374 H4	3517 C2	5255 F3	6529 F1	9024 A4	9502 D2
2015 A3	2408 C3	3031 D5	3375 H4	3518 E2	5260 E3	6534 D3	9025 A5	9503 D2
2016 A3	2409 B2	3032 D5	3376 E3	3519 E2	5262 E3	6535 D3	9026 A4	9504 E1
2017 A5	2410 B2	3033 D4	3378 H4	3520 E2	5308 H5	6536 C3	9027 A5	9505 C1
2018 A5	2411 B2	3034 D4	3380 E3	3521 E2	5310 H5	6537 C3	9028 A5	9506 D1
2019 A4	2412 C3	3035 D5	3381 E3	3522 E2	5381 E3	6542 C3	9029 B5	9507 C2
2020 A4	2415 A3	3036 D4	3382 E3	3523 E2	5503 B1	6546 C2	9030 B4	9508 B2
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2026 B5	2421 B3	3044 A5	3400 B2	3530 F2	5520 E2	6629 B2	9036 A4	9522 E1
2027 C5	2422 B3	3049 G1	3402 B2	3532 C3	5521 E1	7000 C5	9037 B3	9524 D1
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2047 B5	2457 A2	3202 F5	3418 B3	3549 D2	6016 B5	7241 B4	9055 A4	9548 D1
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Synchronization Synchronisierung

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

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2504	1n	820p	470p
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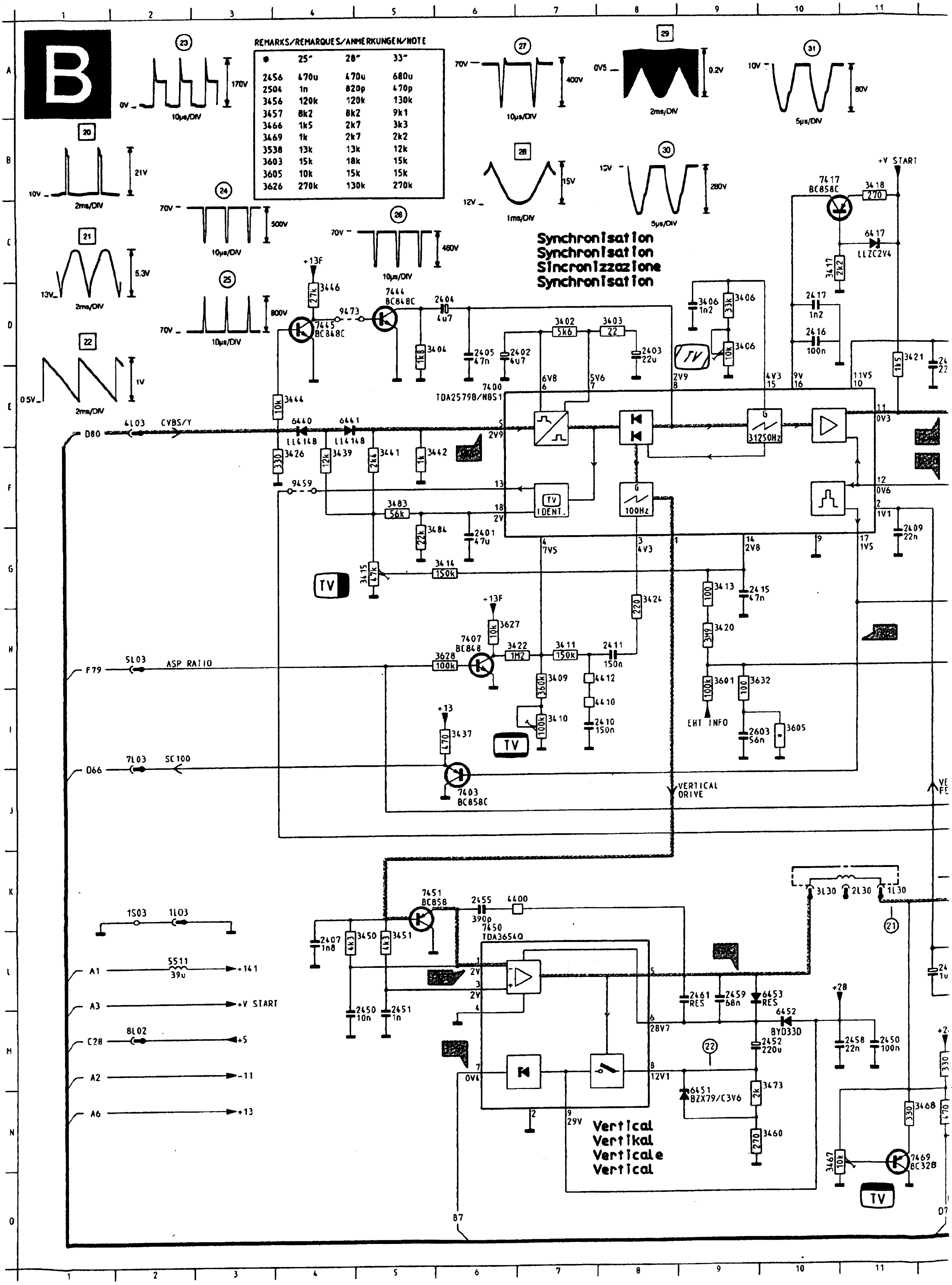
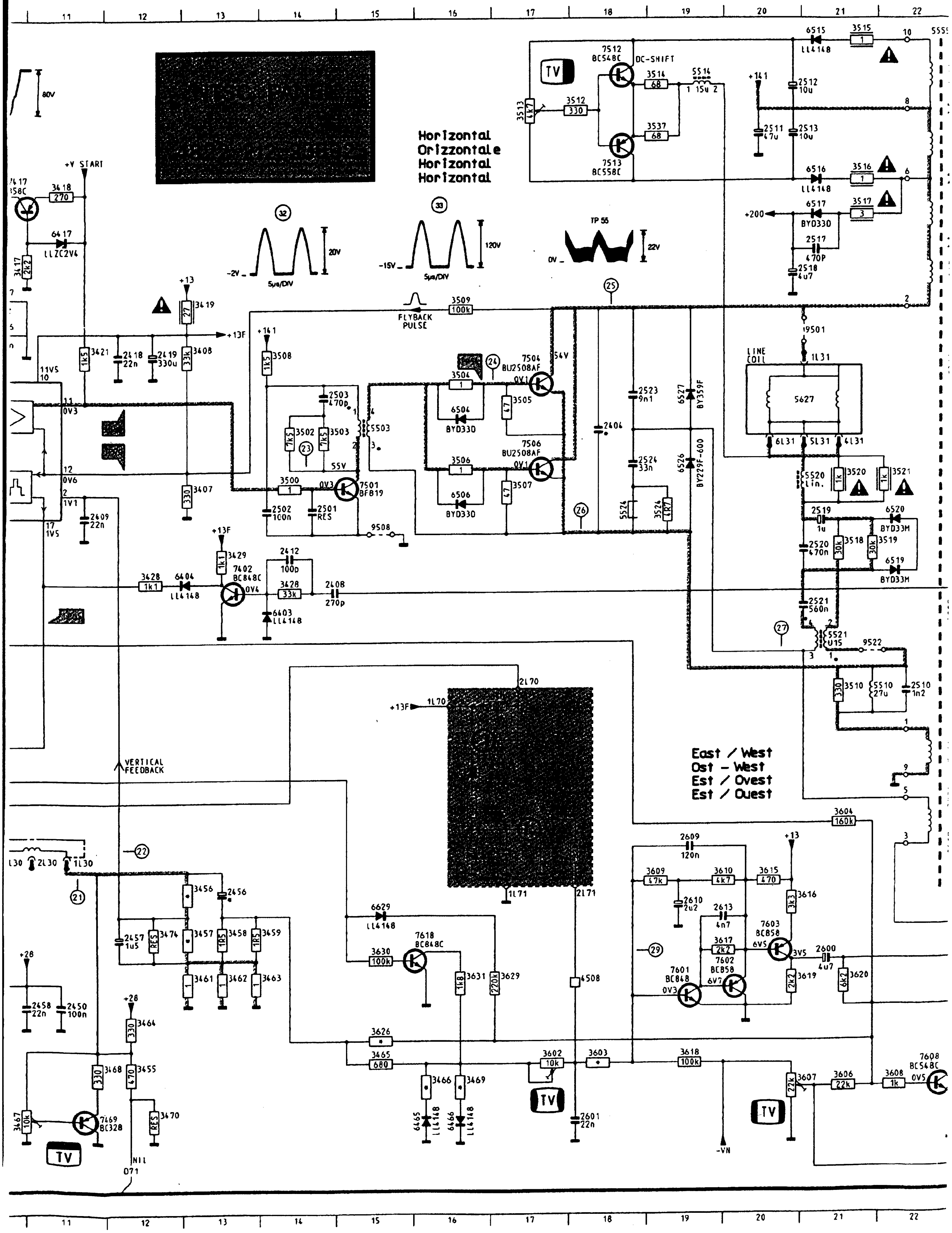
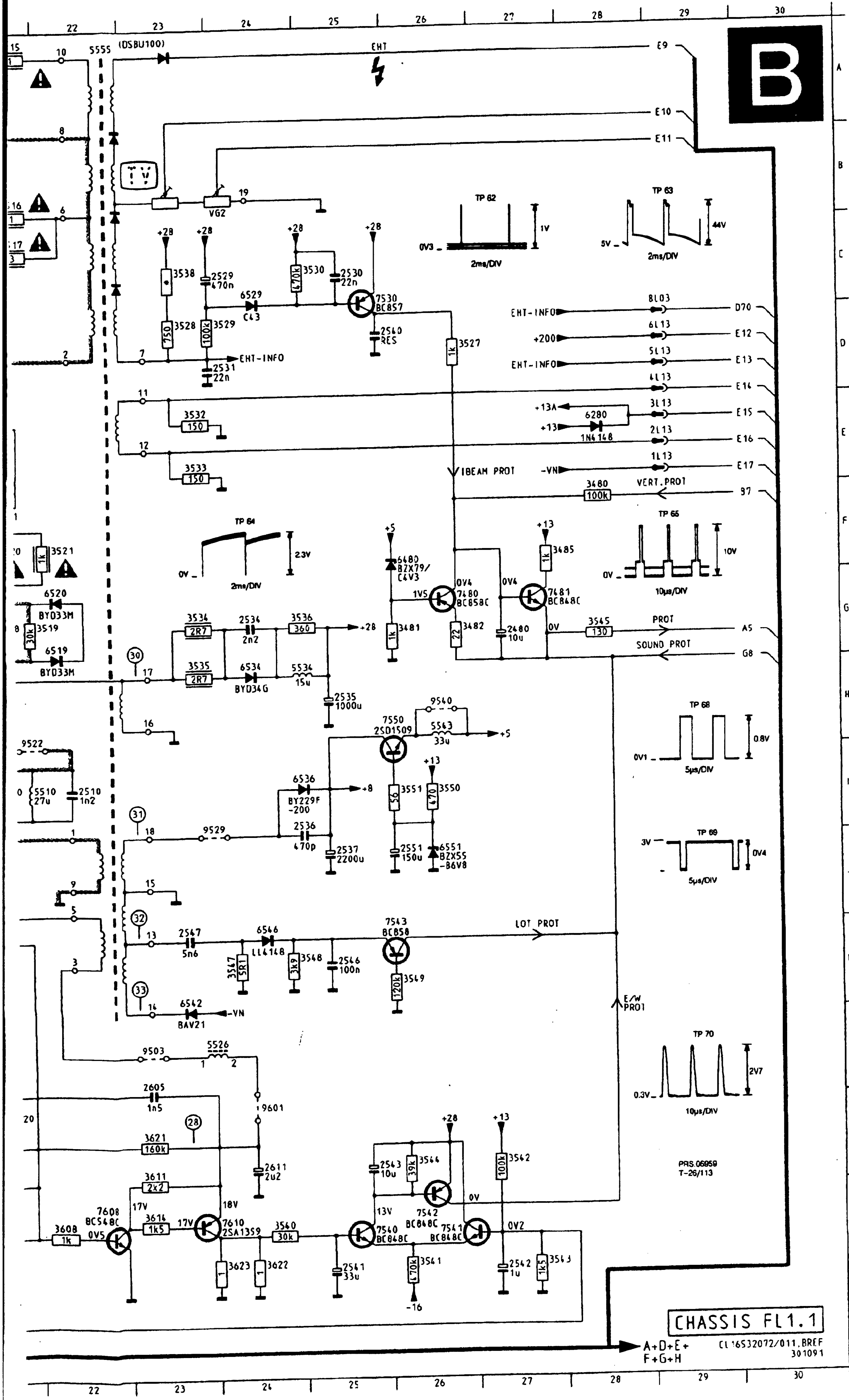
3457	8k2	8k2	9k1
3466	1k5	2k7	3k3
3469	1k	2k7	2k2
3538	13k	13k	12k
3603	15k	18k	15k
3605	10k	15k	15k
3626	270k	130k	270k


B
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
Vertical
Vertikal
Verticale
Vertical
7400 TDA2579B/N8S1
7450 TDA3654Q
31250Hz
100Hz
TV IDENT.
+V START
3417 BC858C
3418 270
6417 LLZC2V4
3412 2k2
2417 1n2
2416 100n
3406 1n2
3406 33k
3406 10k
3402 5k6
3403 22
2403 22u
2402 4u7
2405 47n
3404 1k8
2404 4u7
7444 BC848C
7445 BC848C
9473
3446 27k
+13F
3444 10k
4L03 CVBS/Y
D80
6440 LL4148
6441 LL4148
3426 330
3439 12k
3441 2k4
3442 1k
9459
3483 56k
3484 22k
2401 47u
3415 47k
3414 150k
3421 1k5
2409 22n
3413 100
2415 47n
3420 3M9
3601 100k
3632 100
EHT INFO
2603 56n
3605 *
+13F
3627 10k
7407 BC848
3628 100k
3422 1M2
3411 150k
2411 150n
3424 270
3409 360k
4412
4410
2410 150n
3410 100k
F79
5L03 ASP RATIO
+13
3437 470
D66
7L03 SC100
7403 BC858C
VERTICAL DRIVE
3L30 2L30 1L30
7451 BC858
2455 390p
4400
2407 1n8
3450 4k3
3451 4k3
2450 10n
2451 1n
2461 RES
2459 68n
6453 RES
6452 BYD33D
+28
2458 22n
2450 100n
2452 220u
6451 BZX79/C3V6
3473 2k
3460 270
3468 330
3467 10k
7469 BC328
1S03 1L03
A1 5511 39u +141
A3 +V START
C28 8L02 +5
A2 -11
A6 +13
87
D7
170V
10μs/DIV
21V
2ms/DIV
5.3V
1V
0.5V
500V
800V
460V
400V
15V
1ms/DIV
0.2V
2ms/DIV
280V
5μs/DIV
80V
5μs/DIV
12V
13V
10V
70V
0V5

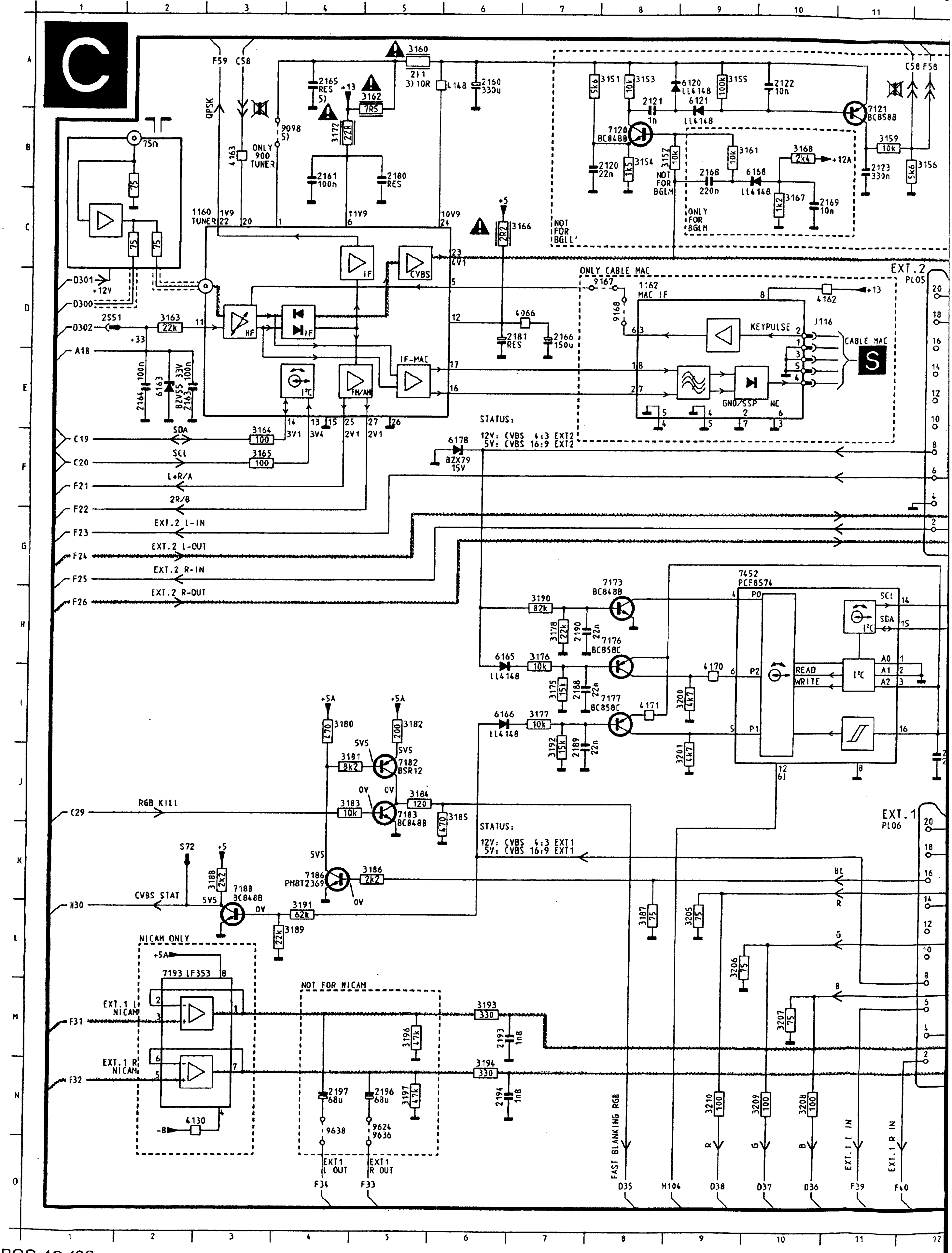
Synchronisation


Horizontal
Orizzontale
Horizontal
Horizontal
East / West
Ost - West
Est / Ovest
Est / Ouest
FLYBACK PULSE
VERTICAL FEEDBACK
LINE COIL
DC-SHIFT
+V START
+13F
+141
+200
+13
+28
-VN
TP 55
5µs/DIV
20V
120V
22V
80V
7512 BC548C
7513 BC558C
7504 BU2508AF
7506 BU2508AF
7501 BF819
7402 BC848C
7618 BC848C
7603 BC858
7602 BC858
7601 BC848
7469 BC328
7608 BC548C
5503
5521 U15
5520 Lin.
5627
6527 BY359F
6526 BY229F-600
6517 BYD330
6520 BYD33M
6519 BYD33M
6515 LL4148
6516 LL4148
6417 LLZC2V4
6404 LL4148
6403 LL4148
6629 LL4148
6465 LL4148
6466 LL4148
TV
11 12 13 14 15 16 17 18 19 20 21 22

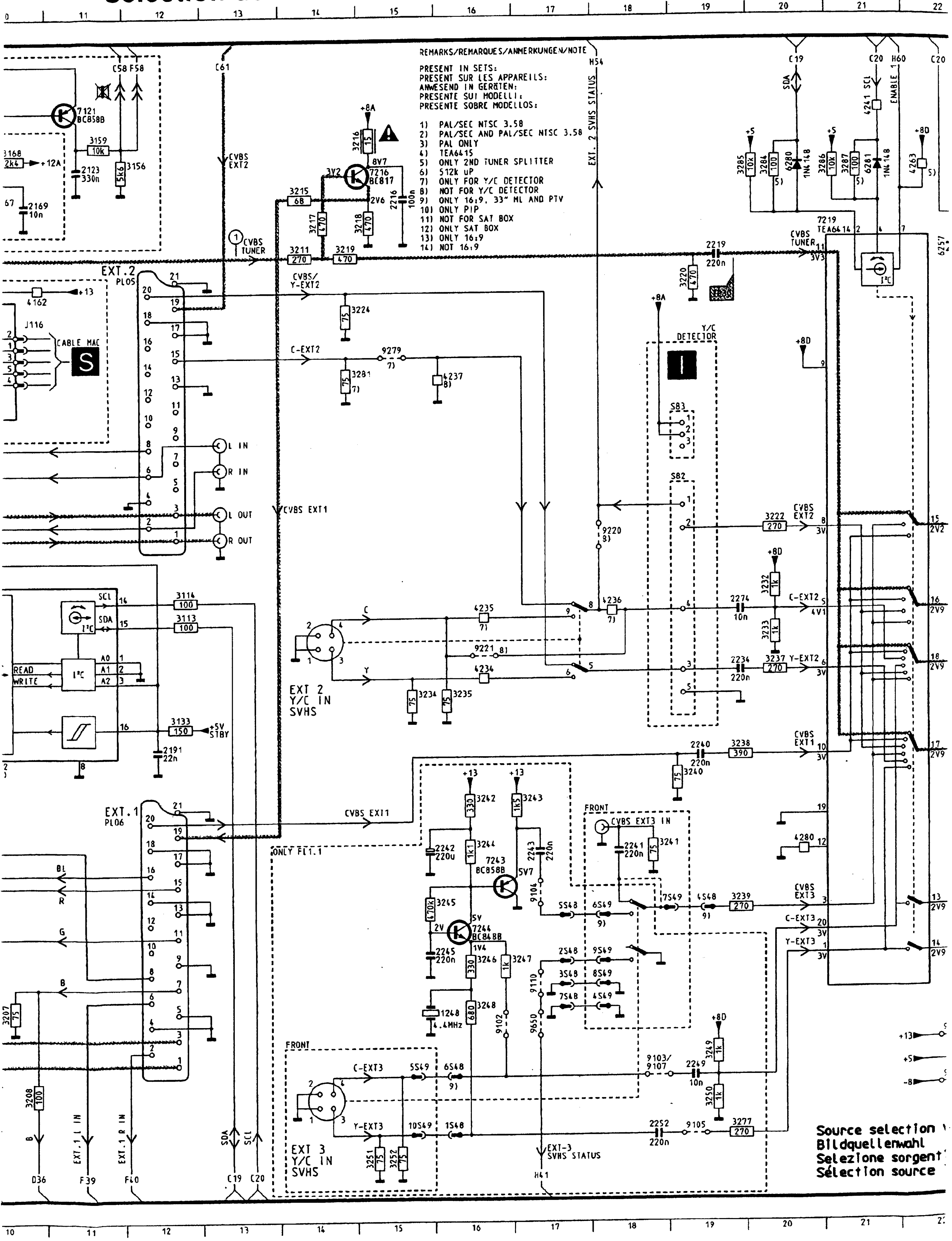

B
EHT
E9
E10
E11
5555 (DSBU100)
VG2
TP 62
0V3
2ms/DIV
1V
TP 63
5V
44V
+28
3538
3528
750
2529
470n
3529
100k
2531
22n
6529
C43
3530
470k
2530
22n
7530
BC857
2540
RES
3527
1k
EHT-INFO
BL03
D70
+200
6L13
E12
5L13
E13
4L13
E14
+13A
6280
3L13
E15
+13
1N4148
2L13
E16
IBEAM PROT
-VN
1L13
E17
3480
100k
VERT. PROT
97
3532
150
3533
150
TP 64
2.3V
0V
2ms/DIV
3521
1k
6520
BYD33M
3519
30k
6519
BYD33M
+5
6480
BZX79/
C4V3
1V5
0V4
7480
BC858C
7481
BC848C
3485
1k
TP 65
10V
10μs/DIV
3534
2R7
2534
2n2
3536
360
3535
2R7
6534
BYD34G
5534
15u
2535
1000u
3481
1k
3482
22
2480
10u
3545
130
PROT
A5
SOUND PROT
G8
30
17
16
9522
5510
27u
2510
1n2
9540
7550
2SD1509
5543
33u
TP 68
0.8V
0V1
5μs/DIV
6536
BY229F
-200
+8
3551
56
3550
470
31
18
9529
2536
470p
2537
2200u
2551
150u
6551
BZX55
-B6V8
15
TP 69
3V
0V4
5μs/DIV
32
13
2547
5n6
6546
LL4148
3547
5R1
3548
3k9
2546
100n
7543
BC858
3549
120k
LOT PROT
33
14
6542
BAV21
E/W
PROT
TP 70
2V7
0.3V
10μs/DIV
9503
5526
9601
2605
1n5
28
3621
160k
2611
2u2
3611
2x2
7608
BC548C
0V5
3608
1k
17V
3614
1k5
7610
2SA1359
18V
3623
3622
3540
30k
13V
7540
BC848C
2541
33u
2543
10u
3544
39k
7542
BC848C
7541
BC848C
0V
0V2
3541
470k
-16
3542
100k
2542
1u
3543
1k5
PRS.06959
T-26/113
CHASSIS FL1.1
CL 16532072/011.BREF
301091
A+D+E+
F+G+H
22
23
24
25
26
27
28
29
30

2401	G 6	3480	F28	6526	F19
2402	D 6	3481	G26	6527	E19
2403	D 8	3482	G26	6529	C24
2404	D 6	3483	F 5	6534	H24
2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K24
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	I 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	E14	7407	H 6
2417	D10	3509	C16	7417	B10
2418	E12	3510	I21	7444	D 5
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	G27
2456	L13	3518	G21	7501	F15
2457	L12	3519	G21	7504	E17
2458	M11	3520	F21	7506	F17
2459	L 9	3521	F22	7512	A18
2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
2502	G14	3529	D24	7541	N26
2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
2511	B20	3533	E23	7550	H26
2512	A20	3534	G23	7601	M19
2513	B20	3535	H23	7602	M20
2517	C21	3536	G25	7603	L20
2518	D20	3537	B19	7608	N22
2519	G21	3538	C23	7610	N24
2520	G21	3540	N24	7618	L16
2521	H21	3541	N26	7650	J16
2523	E18	3542	M27	7651	J17
2524	F18	3543	N27	9459	F 4
2529	C24	3544	M26	9473	D 4
2530	C25	3545	G28	9501	D21
2531	D24	3547	K24	9503	L23
2534	G24	3548	K24	9508	G15
2535	H25	3549	K26	9522	H21
2536	I25	3550	I26	9529	I23
2537	J25	3551	I26	9540	H26
2540	D25	3601	H 9	9601	M24
2541	N25	3602	N17		
2542	N27	3603	N18		
2543	M25	3604	K21		
2546	K25	3605	I10		
2547	K23	3606	N21		
2551	J26	3607	N20		
2600	L21	3608	N22		
2601	N18	3609	K19		
2603	I 9	3610	K20		
2605	L23	3611	M23		
2609	K19	3614	N23		
2610	L19	3615	K20		
2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	O 7	3619	M20		
3403	O 8	3620	M21		
3404	O 5	3621	M23		
3406	O 9	3622	N24		
3406	O 9	3623	N24		
3406	O 9	3626	M15		
3407	F13	3627	H 6		
3408	D13	3628	H 6		
3409	H 7	3629	M17		
3410	I 7	3630	L15		
3411	H 7	3631	M16		
3413	G 9	3632	H 9		
3414	G 6	3650	I17		
3415	G 5	3651	J16		
3417	C10	3652	K18		
3418	B11	3653	K16		
3419	D13	4400	K 7		
3420	H 9	4410	I 7		
3421	D11	4412	H 7		
3422	H 7	4508	M18		
3424	G 8	5503	F15		
3426	F 4	5510	I21		
3428	G12	5511	L 2		
3428	H14	5514	A19		
3429	G13	5520	F21		
3437	I 6	5521	H21		
3439	F 4	5524	G18		
3441	F 5	5526	L23		
3442	F 5	5534	H25		
3444	E 4	5543	H26		
3446	D 4	5555	A22		
3450	L 5	5627	E21		
3451	L 5	6280	E28		
3455	N12	6403	H14		
3456	K13	6404	G13		
3457	L13	6417	C11		
3458	L13	6440	E 4		
3459	L14	6441	E 4		
3460	N10	6451	N 9		
3461	M13	6452	M10		
3462	M13	6453	L10		
3463	M14	6465	N16		
3464	M12	6466	N16		
3465	N15	6480	F26		
3466	N16	6504	E16		
3467	N10	6506	F16		
3468	N11	6515	A21		
3469	N16	6516	B21		
3470	N12	6517	C21		
3473	M10	6519	G22		
3474	L12	6520	G22		

6.13 **CHASSIS FL1.1** Source selection / Quellenwahl / Séle


C
S
F59
C58
QPSK
2165 RES 5)
3160
2)1 3)10R
4148
2150 330u
+13
3162 7R5
3172 22R
9098 5)
4163
ONLY 900 TUNER
2161 100n
2180 RES
75Ω
75
1160 TUNER
1V9
11V9
10V9
IF
CVBS
HF
FM/AM
IF-MAC
I²C
+5
3166 2R2
2181 RES
4066
2166 150u
D301
+12V
D300
D302
2S51
3163 22k
A18
+33
2164 100n
6163 BZV55 33V
2163 100n
C19
SDA
3164 100
3V1
3V4
2V1
C20
SCL
3165 100
F21
L+R/A
F22
2R/B
F23
EXT.2 L-IN
F24
EXT.2 L-OUT
F25
EXT.2 R-IN
F26
EXT.2 R-OUT
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
6178 BZX79 15V
3151 5k6
3153 10k
6120 LL4148
3155 100k
2122 10n
2121 1n
6121 LL4148
7121 BC858B
7120 BC848B
2120 22n
3154 1k5
3152 10k
NOT FOR BGLM
3161 10k
3168 2k4
+12A
2168 220n
6168 LL4148
3167 1k2
2169 10n
ONLY FOR BGLM
NOT FOR BGLL'
3159 10k
2123 330n
3156 5k6
ONLY CABLE MAC
9167
9168
1162 MAC IF
4162
KEYPULSE
J116
CABLE MAC
GND/SSP
NC
EXT.2 PL05
7173 BC848B
3190 82k
3178 22k
2190 22n
7176 BC858C
6165 LL4148
3176 10k
3175 15k
2188 22n
7177 BC858C
6166 LL4148
3177 10k
3192 15k
2189 22n
4171
4170
3200 4k7
3201 4k7
7452 PCF8574
P0
P2
P1
SCL
SDA
READ
WRITE
A0
A1
A2
+5A
3180 470
3182 200
3181 8k2
5V5
7182 BSR12
0V
3183 10k
7183 BC848B
3184 120
3185 470
C29
RGB KILL
STATUS:
12V: CVBS 4:3 EXT1
5V: CVBS 16:9 EXT1
S72
3188 2k2
7188 BC848B
7186 PHBT2369
3186 2k2
H30
CVBS STAT
3191 62k
3189 22k
NICAM ONLY
7193 LF353
+5A
EXT.1 L NICAM
F31
EXT.1 R NICAM
F32
4130
-8
NOT FOR NICAM
3193 330
2193 1n8
3194 330
2194 1n8
3196 47k
3197 47k
2197 68u
2196 68u
9638
9624 9636
EXT1 L OUT
EXT1 R OUT
F34
F33
EXT.1 PL06
BL
R
G
B
3187 75
3205 75
3206 75
3207 75
3210 100
3209 100
3208 100
FAST BLANKING RGB
D35
H104
D38
D37
D36
EXT.1 L IN
EXT.1 R IN
F39
F40

Sélection de source

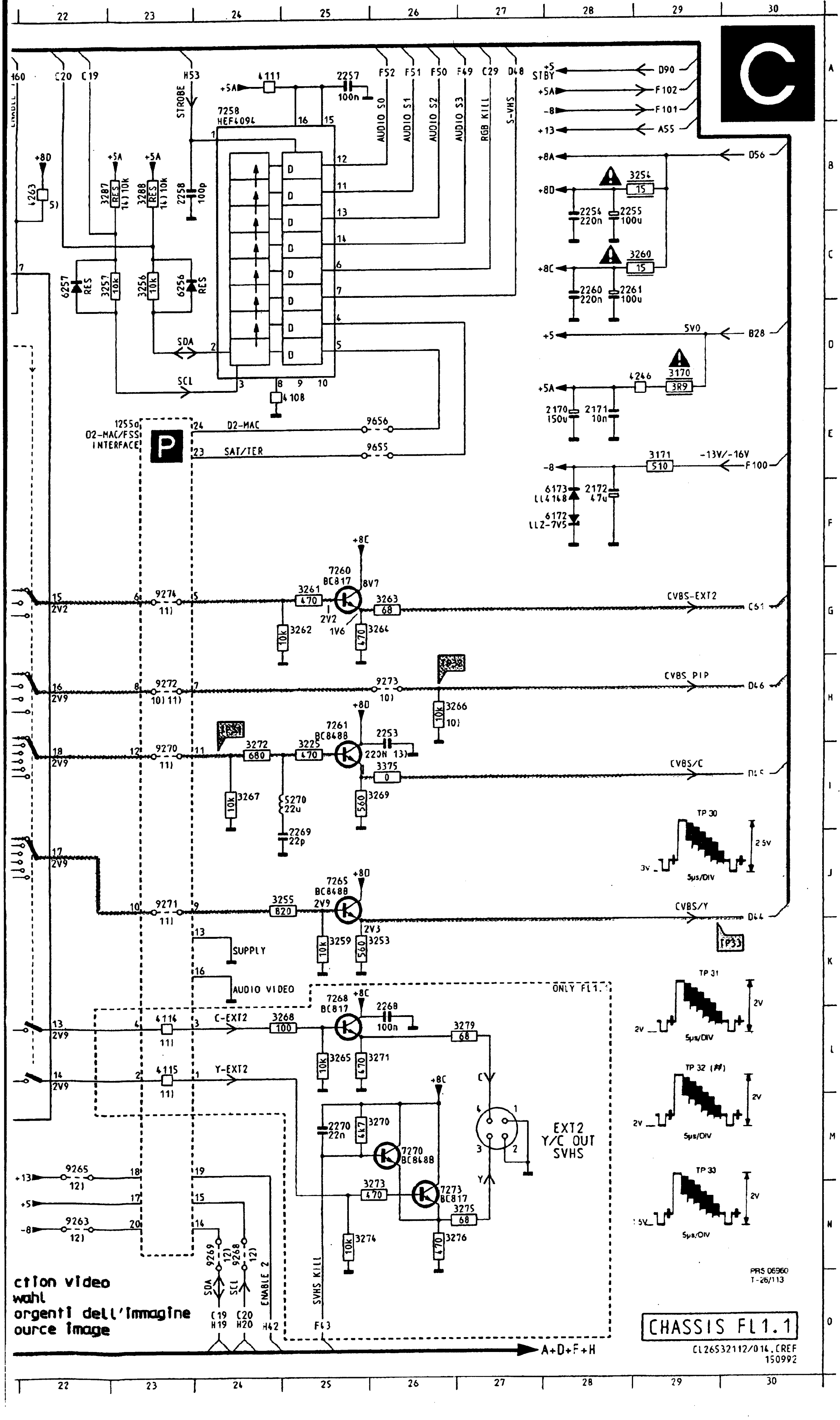

EXT.2
PL05
EXT.1
PL06
7121 BC858B
3159 10k
3156 5k6
2123 330n
2169 10n
3168 2k4
+12A
C58 F58
C61
H54
CVBS EXT2
CVBS TUNER
CVBS/ Y-EXT2
C-EXT2
CVBS EXT1
EXT. 2 SVHS STATUS
+8A
3216 15
7216 BC817
8V7
3V2
2V6
2216 100n
3215 68
3217 470
3218 470
3211 270
3219 470
2219 220n
3220 470
3224 75
3281 75
9279
4237
4162
+13
J116
CABLE MAC
S
L IN
R IN
L OUT
R OUT
Y/C DETECTOR
I
S83
S82
9220
4236
4235
4234
9221
3234 75
3235 75
EXT 2 Y/C IN SVHS
C
Y
3222 270
CVBS EXT2
3232 1k
3233 1k
2274 10n
C-EXT2
2234 220n
3237 270
Y-EXT2
2240 220n
3238 390
3240 75
CVBS EXT1
C19 C20 H60 C20
SDA
4241 SCL
ENABLE 1
3285 10k
3284 100
6280 1N4148
3286 10k
3287 100
6281 1N4148
4263
+5
+8D
7219 TEA6414
CVBS TUNER
3V3
I²C
SCL
SDA
3114 100
3113 100
READ
WRITE
A0 A1 A2
3133 150
+5V STBY
2191 22n
BL
R
G
B
3207 75
3208 100
D36
F39
F40
C19
C20
EXT.1 L IN
EXT.1 R IN
ONLY FL1.1
+13
3242 330
3243 1k5
2242 220u
3244 1k1
7243 BC858B
2243 220n
5V7
3245 470k
7244 BC848B
5V
2V
1V4
2245 220n
3246 330
3247 1k
1248 4.4MHz
3248 680
FRONT
CVBS EXT3 IN
2241 220n
3241 75
5S48 6S49
7S49
4S48
3239 270
CVBS EXT3
C-EXT3
Y-EXT3
2S48 9S49
3S48 8S49
7S48 4S49
9104
9110
9650
9102
4280
EXT 3 Y/C IN SVHS
5S49 6S48
10S49 1S48
3251 75
3252 75
9103/ 9107
2249 10n
3249 1k
3250 1k
2252 220n
9105
3277 270
EXT-3 SVHS STATUS
H41
2V2
2V9
4V1
3V
+13
+5
-8

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL/SEC NTSC 3.58
2) PAL/SEC AND PAL/SEC NTSC 3.58
3) PAL ONLY
4) TEA6415
5) ONLY 2ND TUNER SPLITTER
6) 512k uP
7) ONLY FOR Y/C DETECTOR
8) NOT FOR Y/C DETECTOR
9) ONLY 16:9, 33" ML AND PTV
10) ONLY PIP
11) NOT FOR SAT BOX
12) ONLY SAT BOX
13) ONLY 16:9
14) NOT 16:9

Source selection
Bildquellenwahl
Selezione sorgent
Sélection source


C
+5 STBY
D90
+5A
F102
-8
F101
+13
A55
+8A
D56
+8D
3254
15
2254
220n
2255
100u
+8C
3260
15
2260
220n
2261
100u
+5
5V0
B28
+5A
4246
3170
3R9
2170
150u
2171
10n
-8
3171
510
-13V/-16V
F100
6173
LL4148
2172
47u
6172
LLZ-7V5
4111
2257
100n
7258
HEF4094
STROBE
H53
F52 F51 F50 F49 C29 D48
AUDIO S0
AUDIO S1
AUDIO S2
AUDIO S3
RGB KILL
S-VHS
3287
3288
2258
100p
4263
6257
3257
10k
3256
10k
6256
SDA
SCL
4108
1255a
D2-MAC/FSS INTERFACE
P
D2-MAC
SAT/TER
9656
9655
7260
BC817
3261
470
3263
68
3262
10k
3264
470
CVBS-EXT2
C51
9274
9272
9273
3266
10k
CVBS PIP
D46
7261
BC848B
9270
3272
680
3225
470
2253
220N
3375
0
3267
10k
5270
22u
2269
22p
3269
560
CVBS/C
7265
BC848B
9271
3255
820
3259
10k
3253
560
CVBS/Y
D44
TP33
SUPPLY
AUDIO VIDEO
ONLY FL1.1
7268
BC817
4114
C-EXT2
3268
100
2268
100n
3279
68
3265
10k
3271
470
4115
Y-EXT2
2270
22n
3270
4k7
7270
BC848B
3273
470
7273
BC817
3275
68
3274
10k
3276
470
EXT2 Y/C OUT SVHS
+13
9265
+5
-8
9263
SDA
SCL
ENABLE 2
SVHS KILL
C19 H19
C20 H20
H42
F43
A+D+F+H
TP 30
2.5V
3V
5μs/DIV
TP 31
2V
TP 32 (#)
TP 33
PRS 06960 T-26/113
ction video
wahl
orgenti dell'immagine
ource image
CHASSIS FL1.1
CL26532112/014.CREF 150992
22 23 24 25 26 27 28 29 30
A B C D E F G H I J K L M N O

1160	C 2	3238	J19	9269	N24		
1162	D 8	3239	L19	9270	I23		
1248	M16	3240	J19	9271	J23		
1255	E23	3241	K18	9272	H23		
2120	B 7	3242	J16	9273	H26		
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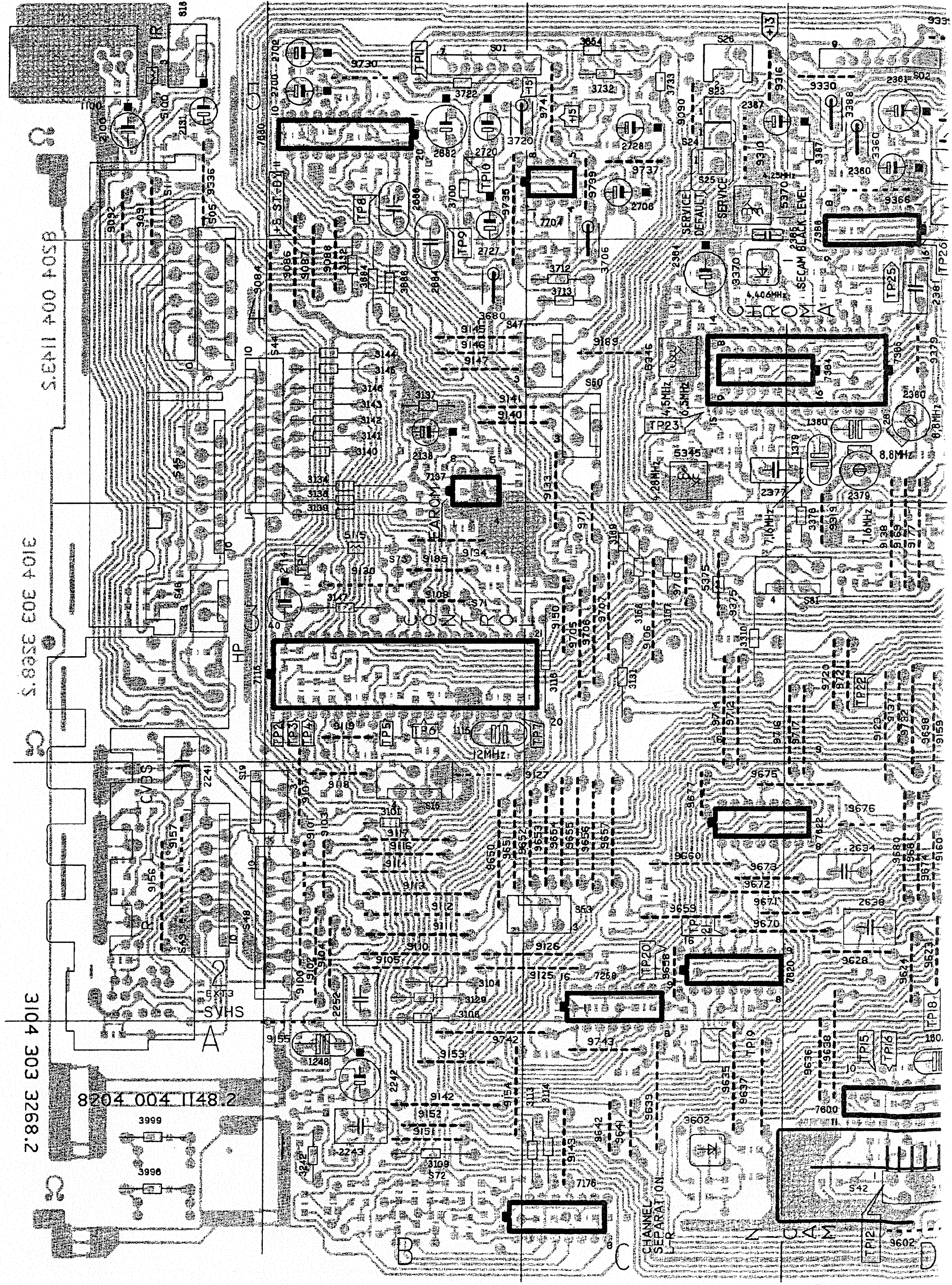
Small signal panel Klein-signal Platine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B
C
D
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SECAM BLACK LEVEL
CHROMA
CHANNEL SEPARATION L-R
4.5MHz
5.5MHz
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7.16MHz
4.406MHz
HP
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3996
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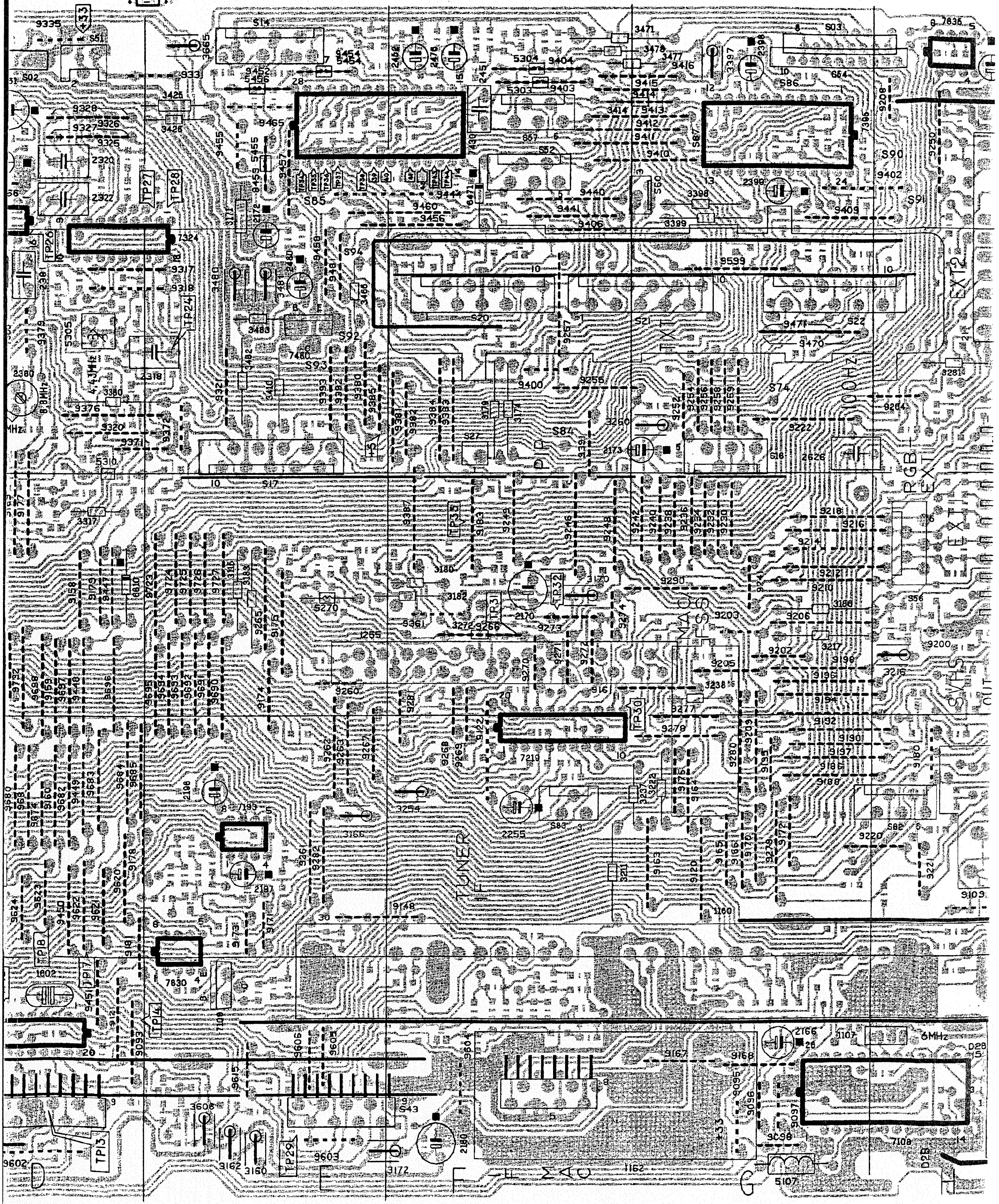
6.17 CHASSIS FL1.1 Platine à petite signaux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S22
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OUT
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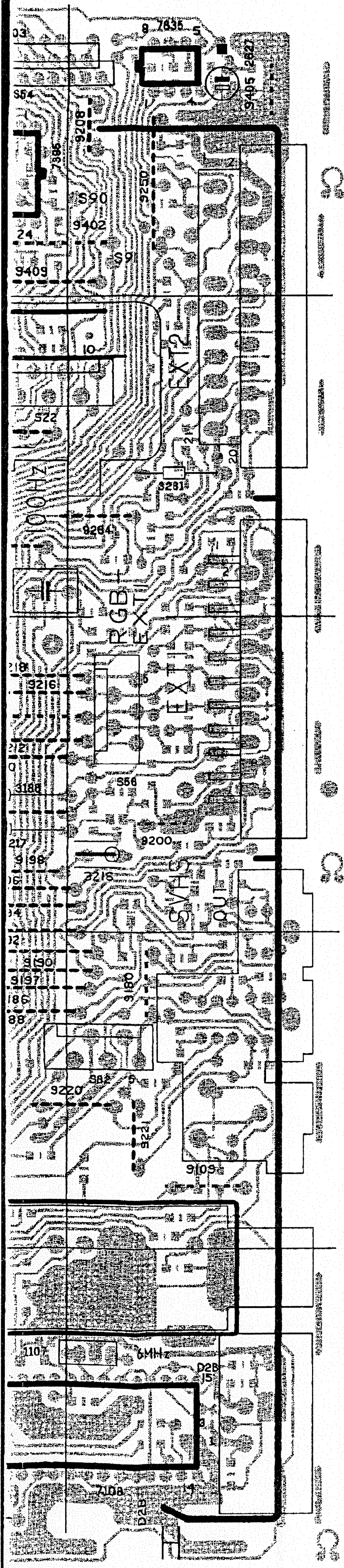
MAC



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S05	A4
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S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
S25	C5
S26	C5
S27	F4
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S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
S57	F5
S60	G5
S81	D3
S82	G2
S83	F2
SVHS	H2
1100	A5
1107	H1
1115	B3
1160	E2
1162	F1
1248	B1
1379	D4
1380	D4
1602	D1
2100	A5
2114	B3
2131	A5
2138	B4
2160	F1
2166	G1
2170	F3
2172	E4
2173	G4
2186	E2
2197	E2
2241	A2
2242	B1
2243	B1
2262	B2
2265	F2
2318	E4
2320	D5
2322	D5
2360	D5
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2364	C4
2365	C5
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2380	D4
2381	D4
2387	C5
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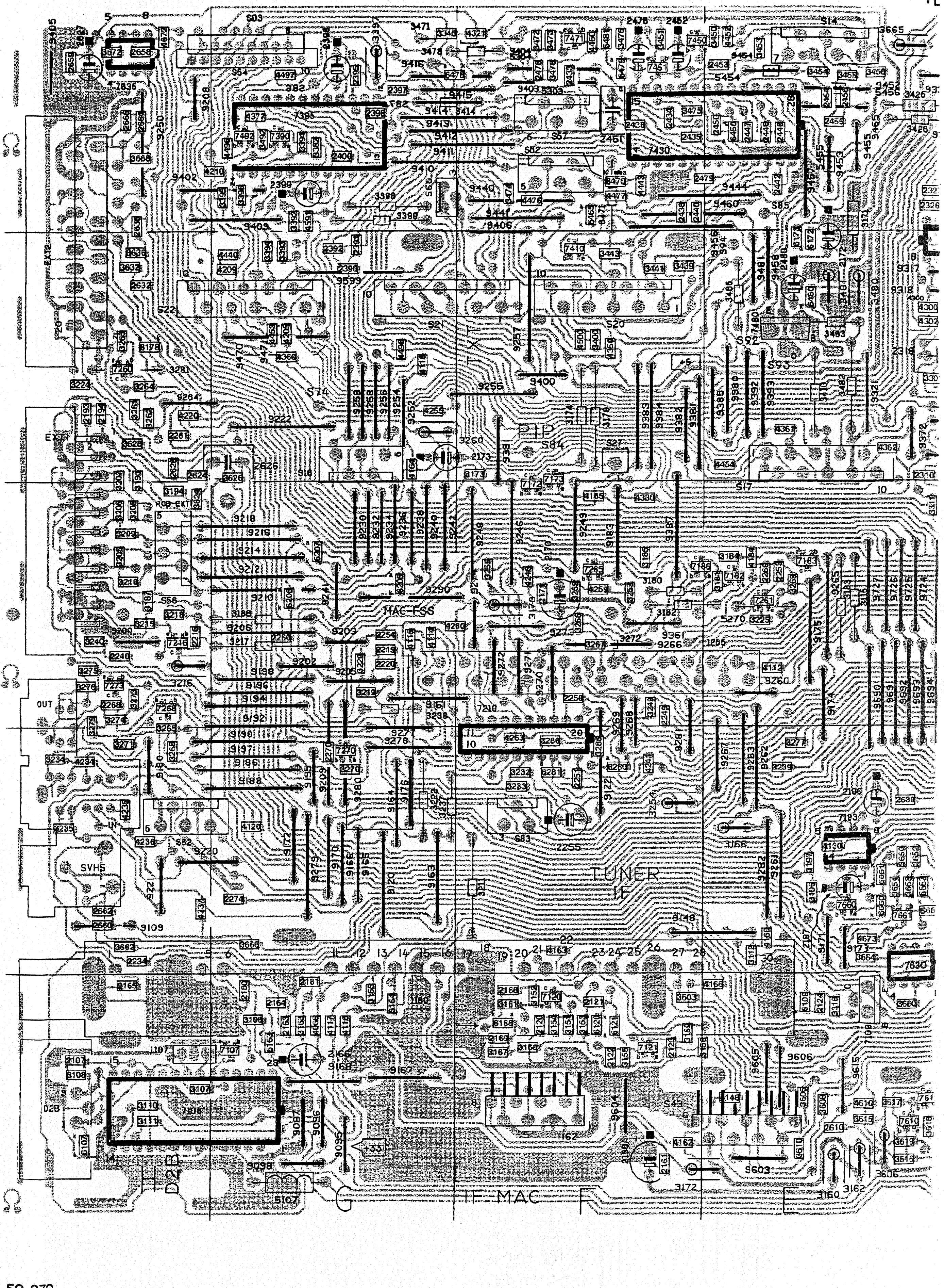
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IF
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+33
S03
S04
S14
S16
S17
S20
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S22
S27
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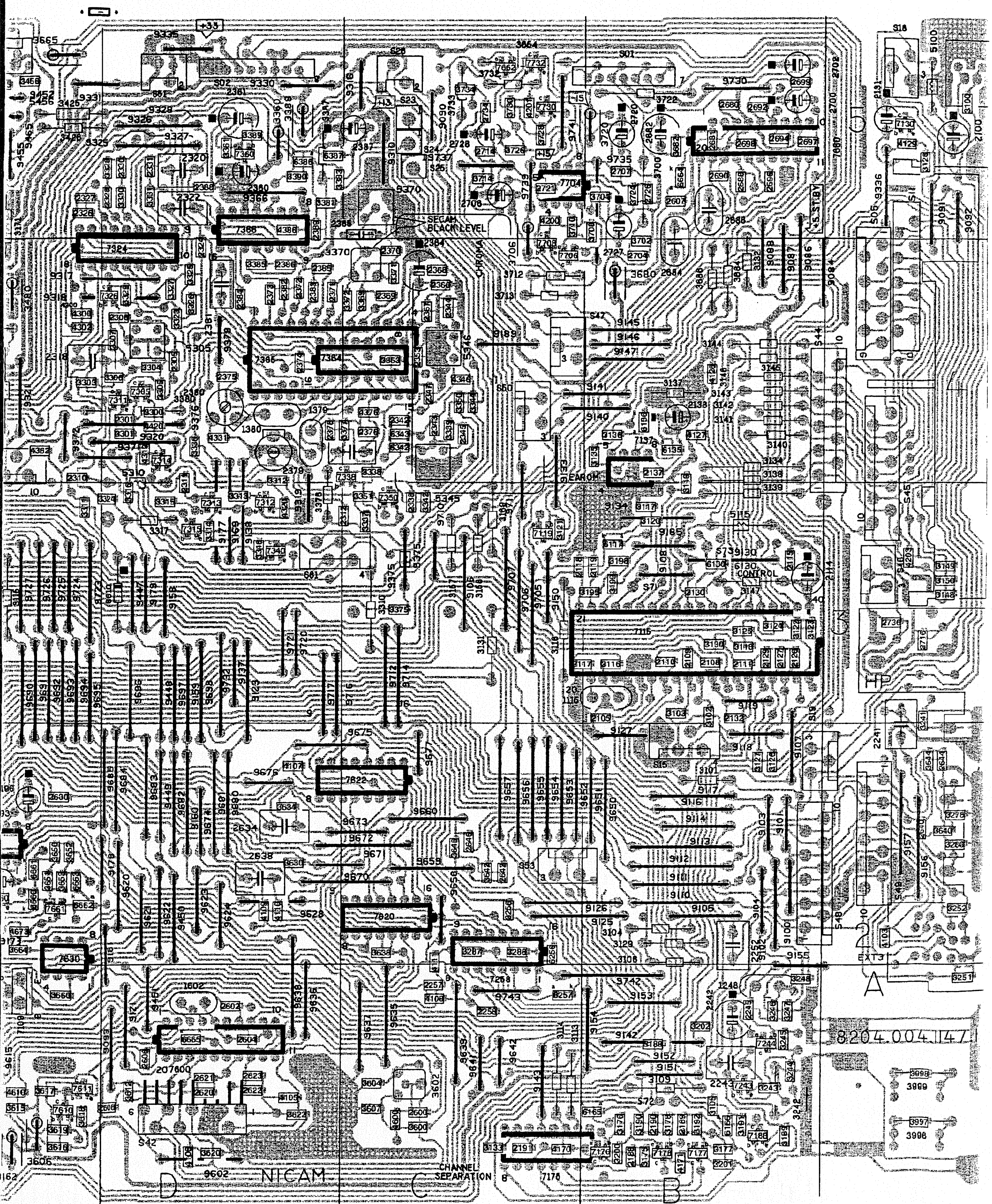
Small signal panel Klein-signal Platine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CHANNEL SEPARATION
A
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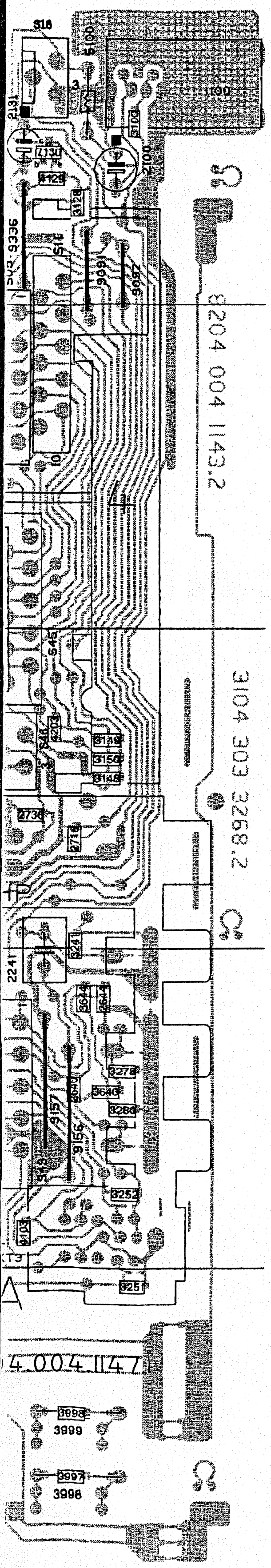
D
8204.004.1147

Platine à petite signaux



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EXT3 A3	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3603 F1	4162 F1	6173 E4	7622 C2	9175 E3	9331 D5	9672 C2
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S14 E5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3610 E1	4171 B1	6257 C1	7680 B5	9181 D2	9372 E4	9680 D2
S15 B2	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3612 D1	4184 E3	6280 F2	7704 C5	9183 F3	9375 C3	9681 D2
S16 G4	2196 E2	2434 F5	3110 H1	3197 E2	3318 E1	3615 E1	4200 C5	6281 F2	7706 C4	9185 B3	9376 D4	9682 D2
S17 E4	2197 E2	2435 F5	3111 H1	3198 B3	3323 D4	3616 E1	4201 C5	6342 C4	7708 C4	9186 G2	9379 D4	9683 D2
S18 A5	2216 H3	2436 F5	3112 E2	3199 B3	3324 D3	3617 E1	4203 A3	6343 C4	7730 C5	9188 G2	9380 E4	9684 D2
S19 B2	2219 G3	2438 F5	3113 C1	3200 B1	3325 D4	3618 E1	4205 G4	6386 D5	7732 C5	9189 C4	9381 F4	9685 D2
S20 F4	2220 G3	2440 F5	3114 C1	3201 B1	3326 D4	3619 E1	4209 G4	6387 D5	9084 B4	9190 G2	9382 F4	9690 E3
S21 F4	2234 H2	2442 E5	3115 E3	3202 B1	3327 D4	3620 D1	4210 G5	6450 E5	9086 B4	9192 G3	9383 F4	9691 E3
S22 G4	2240 H3	2445 E5	3116 C3	3205 H3	3328 D5	3622 D1	4220 H4	6465 F5	9087 B4	9194 G3	9384 F4	9692 E3
S23 C5	2241 A2	2446 E5	3117 B3	3206 H3	3329 D4	3624 H3	4234 H2	6470 F5	9088 B4	9195 G2	9385 E4	9693 E3
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S56 H3	2274 G2	2608 D1	3135 B4	3235 H2	3371 C4	3662 H2	4350 F4	7120 F1	9109 H2	9222 G4	9416 G5	9724 E3
S57 F5	2301 D4	2610 E1	3136 B4	3237 G2	3372 C4	3664 E2	4360 G4	7121 F1	9110 B2	9230 G3	9440 F5	9725 E3
S60 G5	2305 D4	2620 D1	3137 B4	3238 G3	3375 C3	3665 E5	4361 E4	7130 A5	9111 B2	9232 G3	9441 F5	9726 E3
S81 D3	2306 D4	2621 D1	3138 B4	3239 E2	3376 D3	3666 G2	4362 E4	7137 B3	9112 B2	9234 G3	9444 E5	9727 E3
S82 G2	2307 D4	2622 D1	3139 B3	3240 H3	3377 C4	3668 H5	4376 C4	7172 F3	9113 B2	9236 G3	9447 D3	9730 B5
S83 F2	2310 E4	2623 D1	3140 B4	3241 A3	3380 D4	3672 H5	4377 G5	7173 F4	9114 B2	9238 G3	9448 D3	9732 D3
SVHS H2	2311 D4	2624 H4	3141 B4	3242 B1	3381 D5	3680 B4	4386 D5	7175 B1	9116 B2	9240 G3	9449 D2	9735 B5
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1107 H1	2318 E4	2627 H5	3143 B4	3244 B1	3383 D5	3684 B4	4440 G4	7177 B1	9118 B2	9242 G3	9451 D1	9739 C5
1115 B3	2320 D5	2628 H4	3144 B4	3245 B1	3385 D4	3686 B4	4443 F5	7178 B1	9119 B3	9246 F3	9452 E5	9741 C5
1160 E2	2322 D5	2630 E2	3145 B4	3246 B1	3387 D5	3700 B5	4452 E5	7182 E3	9120 G2	9248 F3	9453 E5	9742 B1
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1248 B1	2326 E5	2634 D2	3147 B3	3248 B1	3389 D5	3704 B5	4454 E4	7186 E3	9122 F2	9250 H5	9455 E5	
1379 D4	2327 E5	2636 H5	3148 A3	3249 F3	3390 D5	3706 C4	4460 F5	7188 B1	9123 D3	9252 G4	9456 F5	
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1602 D1	2330 D5	2640 A2	3150 A3	3252 A2	3392 G5	3710 C5	4477 F5	7216 H3	9126 C2	9255 F4	9458 E4	
2100 A5	2331 D5	2642 C2	3151 F1	3253 F3	3393 G4	3712 C4	4496 G5	7219 F2	9127 B2	9256 G4	9460 F5	
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2120 F1	2367 C4	2686 B5	3164 G1	3267 F3	3441 F4	3997 A1	5303 F5	7313 D3	9148 E2	9269 F3	9621 D2	
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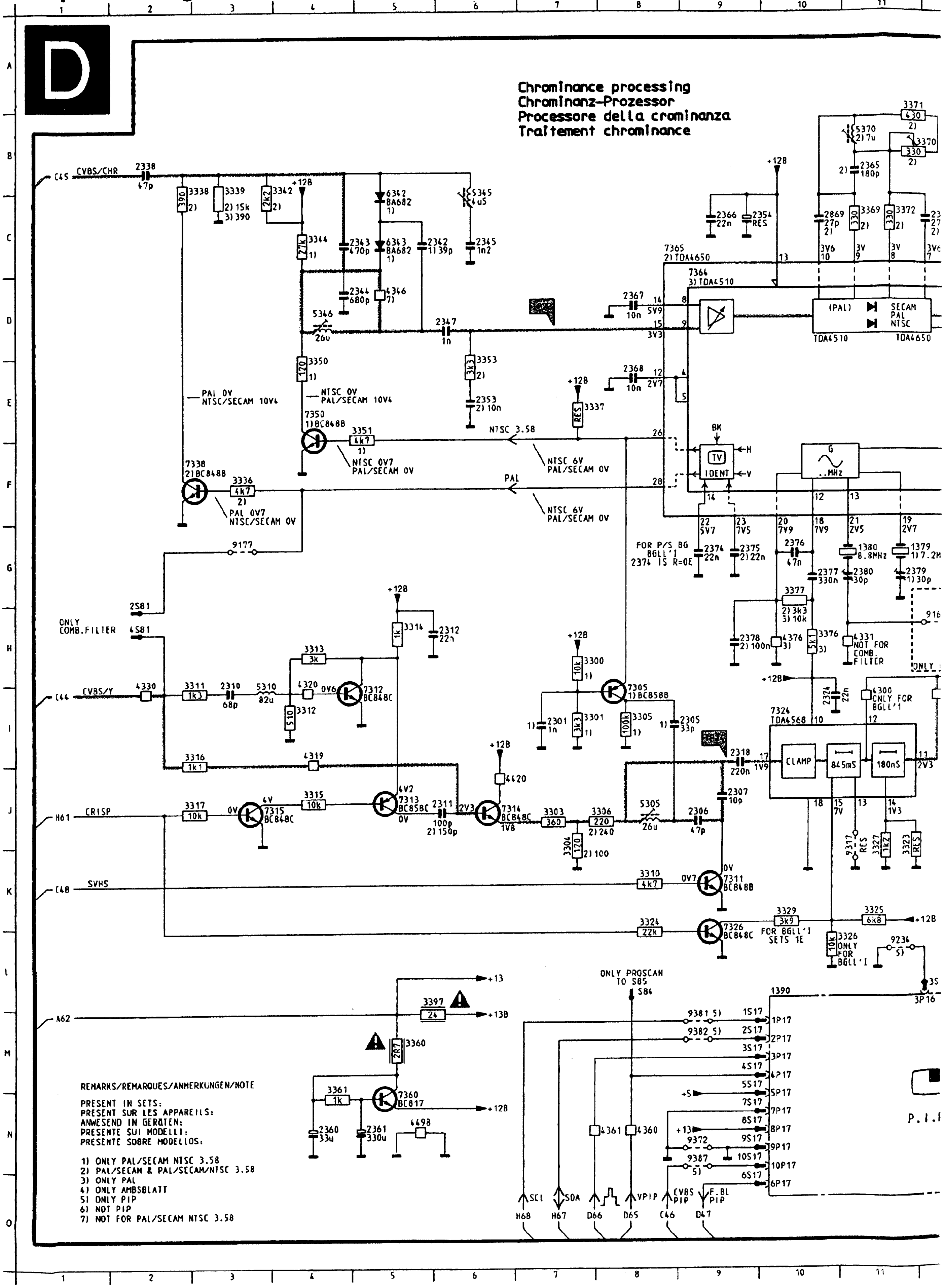
D

Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance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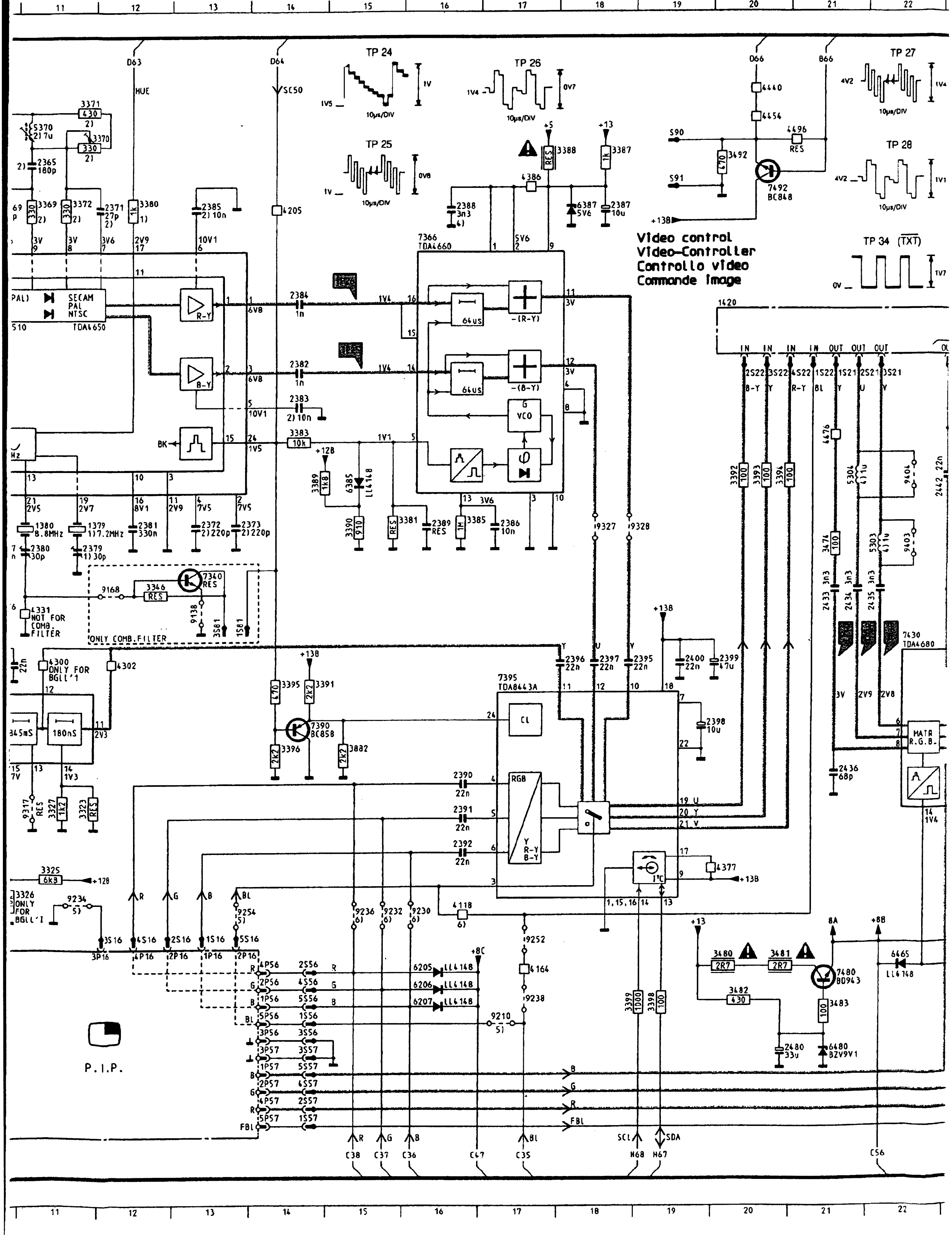
3339 2) 15k 3) 390
3342 2k2 2)
+12B
3344 27k 1)
2343 470p
6342 BA682 1)
6343 BA682 1)
2342 1) 39p
5345 4u5
2345 1n2
2344 680p
4346 7)
5346 26u
2347 1n
3353 3k3 2)
2353 2) 10n
3350 170 1)
PAL 0V NTSC/SECAM 10V4
NTSC 0V PAL/SECAM 10V4
7350 1) BC848B
3351 4k7 1)
NTSC 0V7 PAL/SECAM 0V
NTSC 3.58
NTSC 6V PAL/SECAM 0V
7338 2) BC848B
3336 4k7 2)
PAL 0V7 NTSC/SECAM 0V
PAL
9177
2S81
ONLY COMB.FILTER
4S81
C44 CVBS/Y
4330
3311 1k3
2310 68p
5310 82u
4320 0V6
3312 510
3313 3k
7312 BC848C
3314 1k
2312 22n
3316 1k1
4319
H61 CRISP
3317 10k
0V 4V
7315 BC848C
3315 10k
4V2 7313 BC858C 0V
2311 100p 2) 150p
2V3
7314 BC848C 1V8
+12B 4420
3303 360
3304 170 2) 100
3306 220 2) 240
5305 26u
2306 47p
2307 10p
2318 220n 1V9
C48 SVHS
3310 4k7
0V7 7311 BC848B 0V
3324 22k
7326 BC848C
3329 3k9 FOR BGL L'I SETS 1E
3325 6k8 +12B
3326 10k ONLY FOR BGLL'I
9234 5)
3300 10k 1)
2301 1) 1n
3301 3k3 1)
7305 1) BC858B
3305 100k 1)
2305 1) 33p
3337 RES
2367 10n 5V9
2368 10n 2V7
7365 2) TDA4650
7364 3) TDA4510
(PAL) SECAM PAL NTSC
TDA4510 TDA4650
BK TV IDENT H V
G ..MHz
2366 22n
2354 RES
2869 27p 2)
3369 330 2)
3372 330 2)
3371 430
5370 2) 7u
3370 330 2)
2365 2) 180p
3V6 3V 3V 3V6
22 5V7 23 7V5 20 7V9 18 7V9 21 2V5 19 2V7
FOR P/S BG BGLL'I 2374 IS R=0E
2374 22n
2375 2) 22n
2376 47n
2377 330n
1380 8.8MHz
2380 30p
1379 1) 7.2M
2379 1) 30p
3377 2) 3k3 3) 10k
2378 2) 100n
4376 3)
3376 5k1 3)
4331 NOT FOR COMB. FILTER
ONLY
916
2374 22n
4300 ONLY FOR BGLL'I
7324 TDA4568
CLAMP 845nS 180nS
2V3
9317 RES
3327 1k2
3323 RES
A62
+13
3397 2A
+13B
3360 2R7
3361 1k
7360 BC817
+12B
2360 33u
2361 330u
4498
ONLY PROSCAN TO S85
S84
1390
9381 5) 9382 5) 9372 9387 5)
1S17 2S17 3S17 4S17 5S17 7S17 8S17 9S17 10S17 6S17
1P17 2P17 3P17 4P17 5P17 7P17 8P17 9P17 10P17 6P17
+5 +13
4361 4360
SCL SDA VPIP CVBS PIP F.BL PIP
H68 H67 D66 D65 C46 D47
3S 3P16
P.I.

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY PAL/SECAM NTSC 3.58
2) PAL/SECAM & PAL/SECAM/NTSC 3.58
3) ONLY PAL
4) ONLY AMBSBLATT
5) ONLY PIP
6) NOT PIP
7) NOT FOR PAL/SECAM NTSC 3.58

Traitement vidéo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TP 26
TP 27
TP 28
TP 34 (TXT)
10µs/DIV
Video control
Video-Controller
Controllo video
Commande image
D63
HUE
D64
SC50
D66
B66
S90
S91
+13B
7492 BC848
3492
4440
4454
4496 RES
7366 TDA4660
64us
-(R-Y)
-(B-Y)
VCO
2384 1n
2382 1n
2383 2) 10n
3383 10k
SECAM PAL NTSC
TDA4650
R-Y
B-Y
BK
1380 8.8MHz
1379 1) 7.2MHz
7340 RES
3346 RES
ONLY COMB.FILTER
4331 NOT FOR COMB. FILTER
4300 ONLY FOR BGLL'1
4302
345mS
180nS
7395 TDA8443A
CL
RGB
Y R-Y B-Y
7390 BC858
3395
3391
3396
3882
2390 22n
2391 22n
2392 22n
2396 22n
2397 22n
2395 22n
2400 22n
2399 47u
2398 10u
19 U
20 Y
21 V
4377
4118
9327
9328
9252
4164
9238
9210
1420
IN IN IN IN OUT OUT OUT
2S22 3S22 4S22 1S22 1S21 2S21 3S21
B-Y Y R-Y BL Y U V
3392 100
3393 100
3394 100
4476
5304
5303
9404
9403
3474 100
2433 3n3
2434 3n3
2435 3n3
2436 68p
7430 TDA4680
MATR R.G.B.
3399 100
3398 100
3480 2R7
3481 2R7
3482 430
3483 100
7480 BD943
6480 BZV9V1
2480 33u
6465 LL4148
6205 LL4148
6206 LL4148
6207 LL4148
3325 6k8
3326 ONLY FOR BGLL'I
9234
P.I.P.
3S16 4S16 2S16 1S16 5S16
3P16 4P16 2P16 1P16 2P16
4P56 2P56 1P56 5P56 3P56 3P57 1P57 2P57 4P57 5P57
2S56 4S56 5S56 1S56 3S56 3S57 5S57 4S57 2S57 1S57
R G B BL FBL
SCL SDA
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+5 +13 +12B +13B +8C +8A +8B
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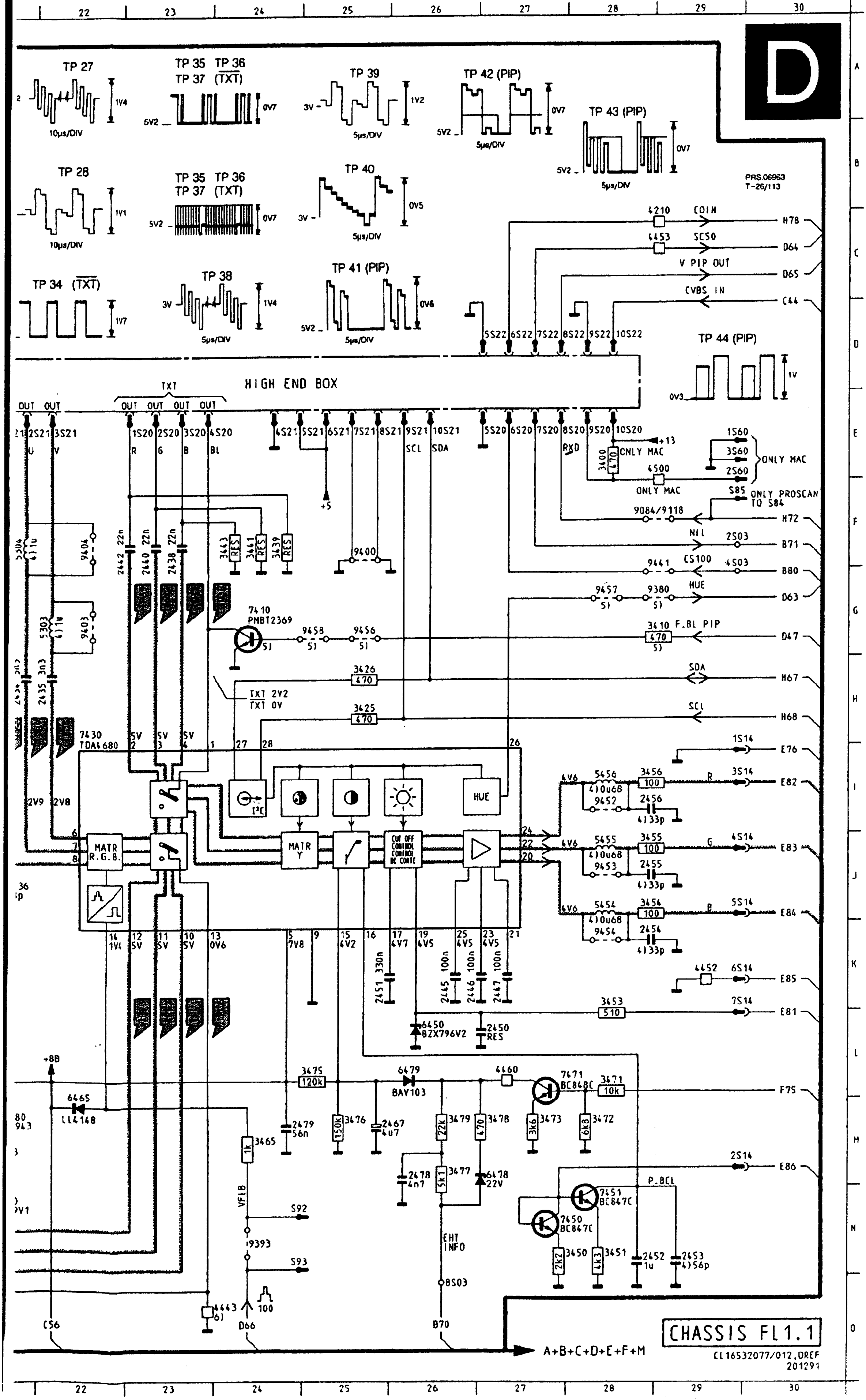
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24
25
26
27
28
29
30
TP 27
10μs/DIV
1V4
TP 35 TP 36
TP 37 (TXT)
5V2
0V7
TP 39
3V
1V2
5μs/DIV
TP 42 (PIP)
0V7
TP 43 (PIP)
TP 28
1V1
TP 40
0V5
PRS.06963
T-26/113
TP 34 (TXT)
1V7
TP 38
1V4
TP 41 (PIP)
0V6
TP 44 (PIP)
1V
0V3
HIGH END BOX
TXT
OUT OUT OUT OUT
COIN
SC50
V PIP OUT
CVBS IN
H78
D64
D65
C44
ONLY MAC
ONLY PROSCAN TO S84
9084/9118
H72
NIL
B71
CS100
B80
HUE
D63
7410
PMBT2369
F.BL PIP
D47
SDA
H67
SCL
H68
TXT 2V2
TXT 0V
7430
TDA4680
MATR R.G.B.
MATR Y
CUT OFF CONTROL CONTROL DC CORTE
HUE
E76
E82
E83
E84
E85
E81
6450
BZX79C2V2
+8B
6465
LL4148
6479
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BC848C
F75
3475
120k
3476
150k
2479
56n
2467
4u7
3479
22k
3478
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2478
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1k
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S93
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E86
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2k2
3451
4k3
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2453
56p
A+B+C+D+E+F+M
CHASSIS FL1.1
CL 16532077/012.DREF
201291

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2318	I 9	3395	I14	9238	M17
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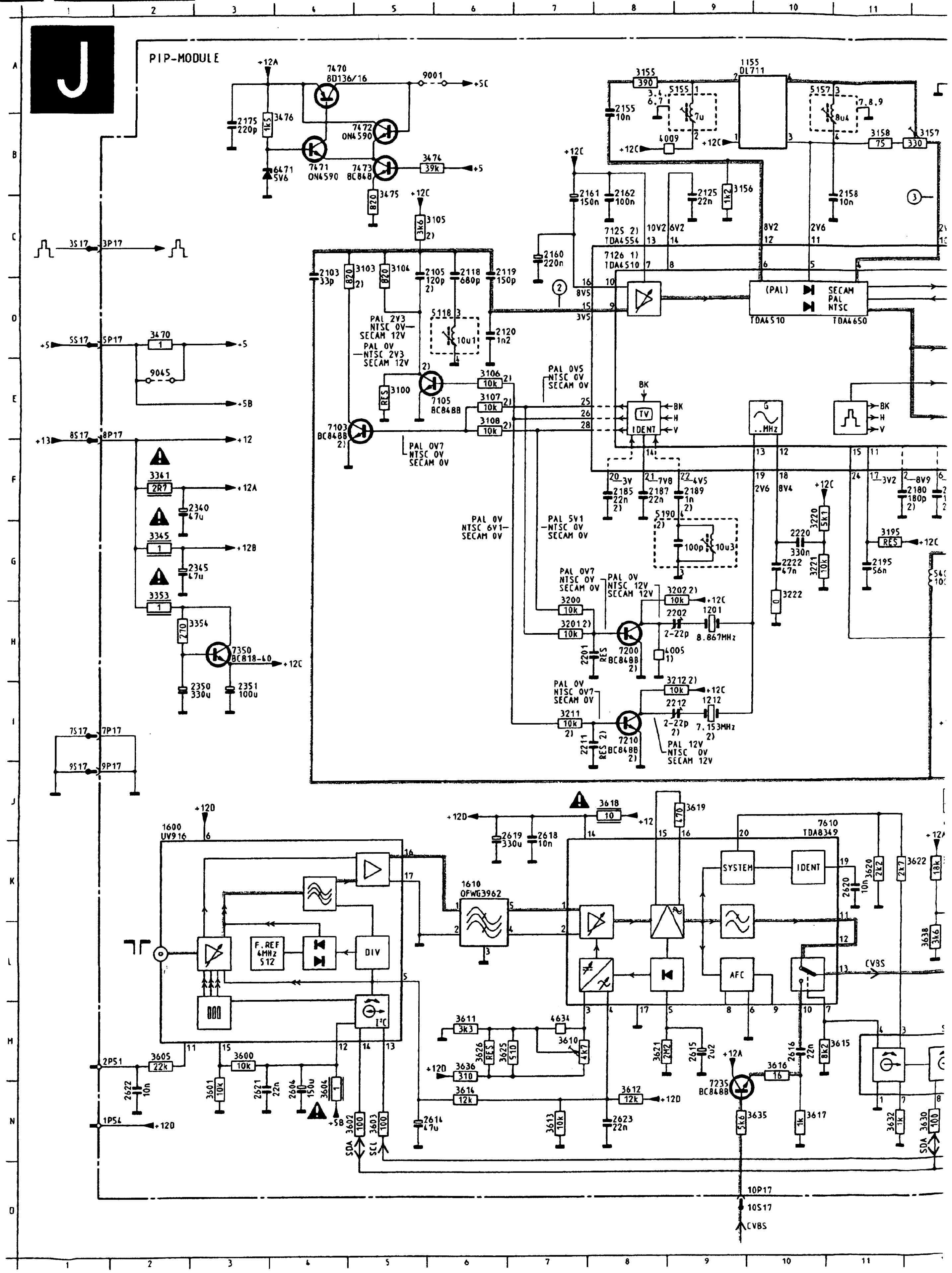
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PAL 0V
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7103
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PAL 0V7
NTSC 0V
SECAM 0V
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7125 2)
TDA4554
7126 1)
TDA4510
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6V2
8V2
2V6
8V5
3V5
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7V8
4V5
2V6
8V4
3V2
8V9
2180
180p
5190
100p
10u3
2220
330n
3220
5k1
3221
10k
2222
47n
3222
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SECAM 0V
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SECAM 12V
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2201
RES
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OFWG3962
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SYSTEM
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AFC
CVBS
3620
2k2
2620
10n
3622
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18k
3638
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3611
3k3
4634
3610
4k7
3626
RES
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510
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2u2
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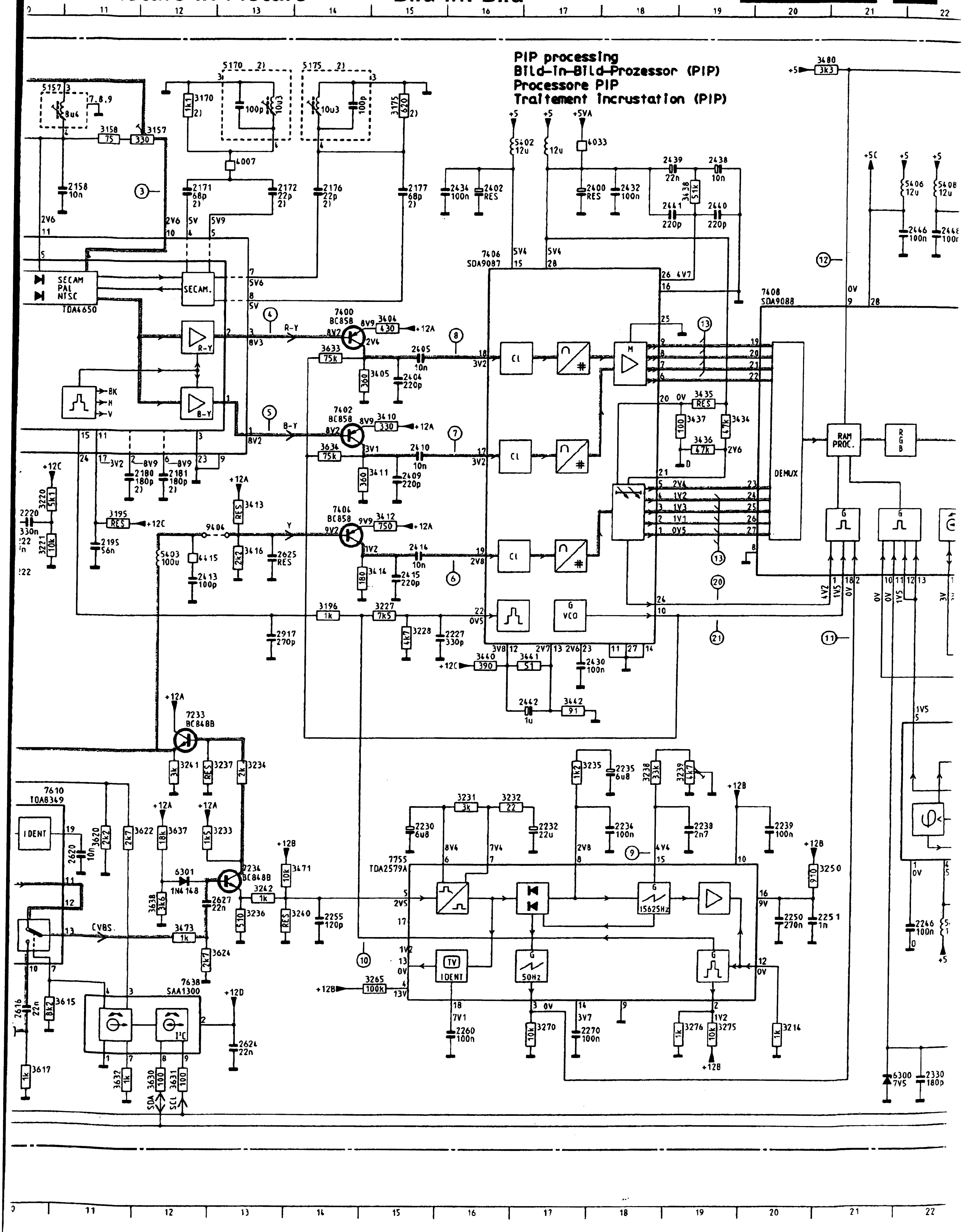
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Traitement incrustation (PIP)
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SECAM.
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B-Y
Y
7400 BC858
7402 BC858
7404 BC858
7233 BC848B
7234 BC848B
7610 TDA8349
7638 SAA1300
7755 TDA2579A
IDENT
TV IDENT
50Hz
15625Hz
CVBS.
SDA
SCL
I²C
DEMUX
RAM PROC.
R G B
VCO
CL
M
6301 1N4148
6300 7V5
5157 8u4
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5175
10u3
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3175 620
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2439 22n
2438 10n
3438 51k
2441 220p
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2404 220p
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3634 75k
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2410 10n
2409 220p
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2414 10n
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3434 47k
3413 RES
3416 2k2
2625 RES
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4415
2413 100p
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3221 10k
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3228 4k7
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3441 51
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3442 91
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2620 10n
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3637 18k
3233 1k5
3638 3k6
2627 22n
3262 1k
3236 510
3471 10k
3240 RES
2255 120p
3473 1k
3624 2k7
2616 22n
3615 8k2
3617 1k
3632 1k
3630 100
3631 100
2624 22n
3231 3k
3232 22
2230 6u8
2232 22u
3235 1k2
2235 6u8
2234 100n
3238 33k
3239 4k7
2238 2n7
2239 100n
3250 910
2250 270n
2251 1n
3265 100k
2260 100n
3270 10k
2270 100n
3276 1k
3275 10k
3216 1k
2246 100n
2330 180p
+5 +5 +5VA +5C +12A +12C +12D +12B
① ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑳ ㉑
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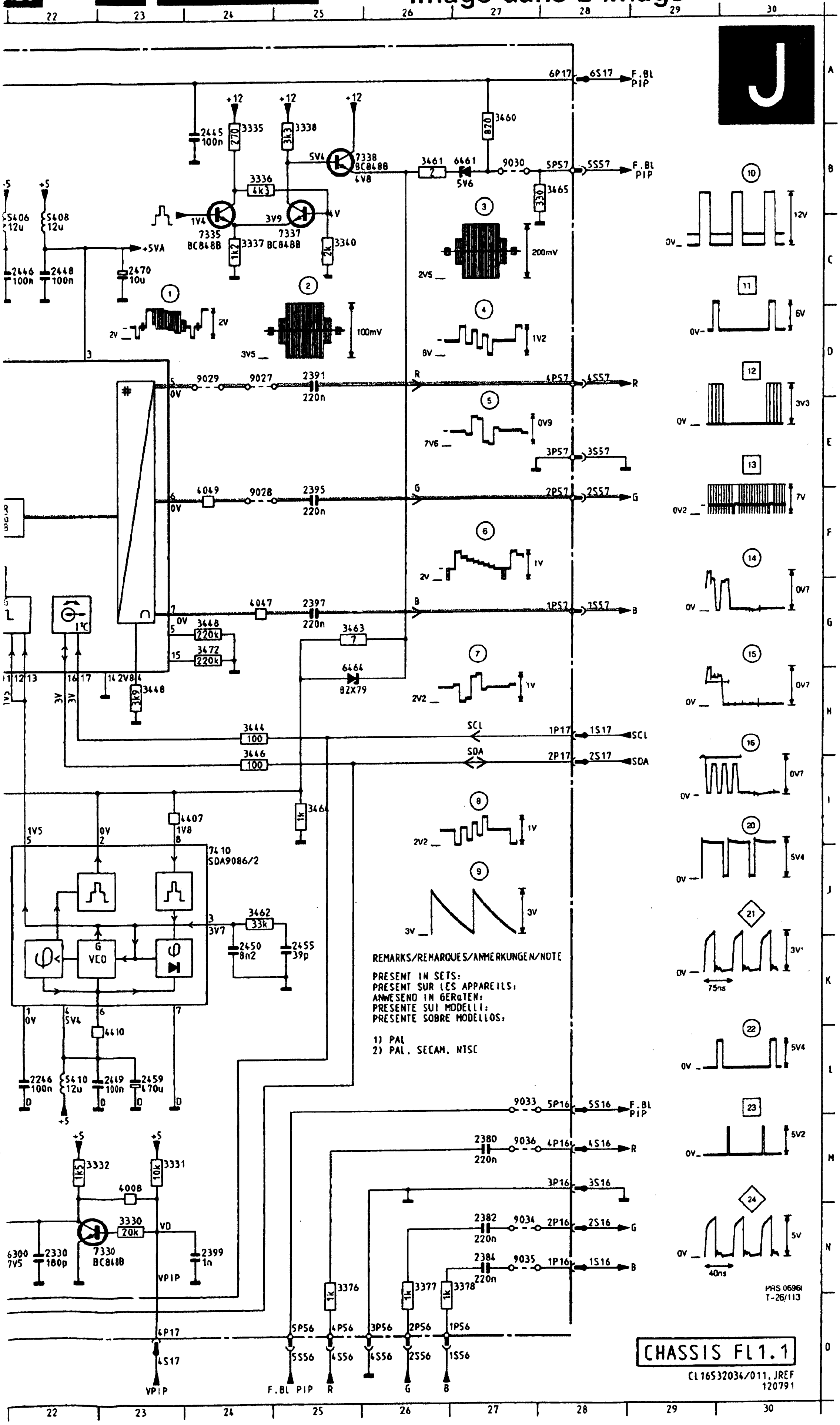
J
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4S57
R
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2P57
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B
1P17
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SCL
2P17
2S17
SDA
+12
2445 100n
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3338 3k3
7338 BC848B
5V4
4V8
3336 4k3
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1V4
3V9
4V
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3340 2k
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9030
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+5
5406 12u
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9027
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3V5
③
200mV
2V5
④
1V2
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⑤
0V9
7V6
⑥
1V
⑦
2V2
⑧
⑨
3V
⑩
12V
0V
⑪
6V
⑫
3V3
⑬
7V
0V2
⑭
0V7
⑮
⑯
⑳
5V4
㉑
75ns
㉒
㉓
5V2
㉔
5V
40ns
PRS 06961
T-26/113

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011.JREF
120791

1155	A 9	3212	I 9	5155	A 8
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2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
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2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
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2181	F12	3275	M19	7234	K13
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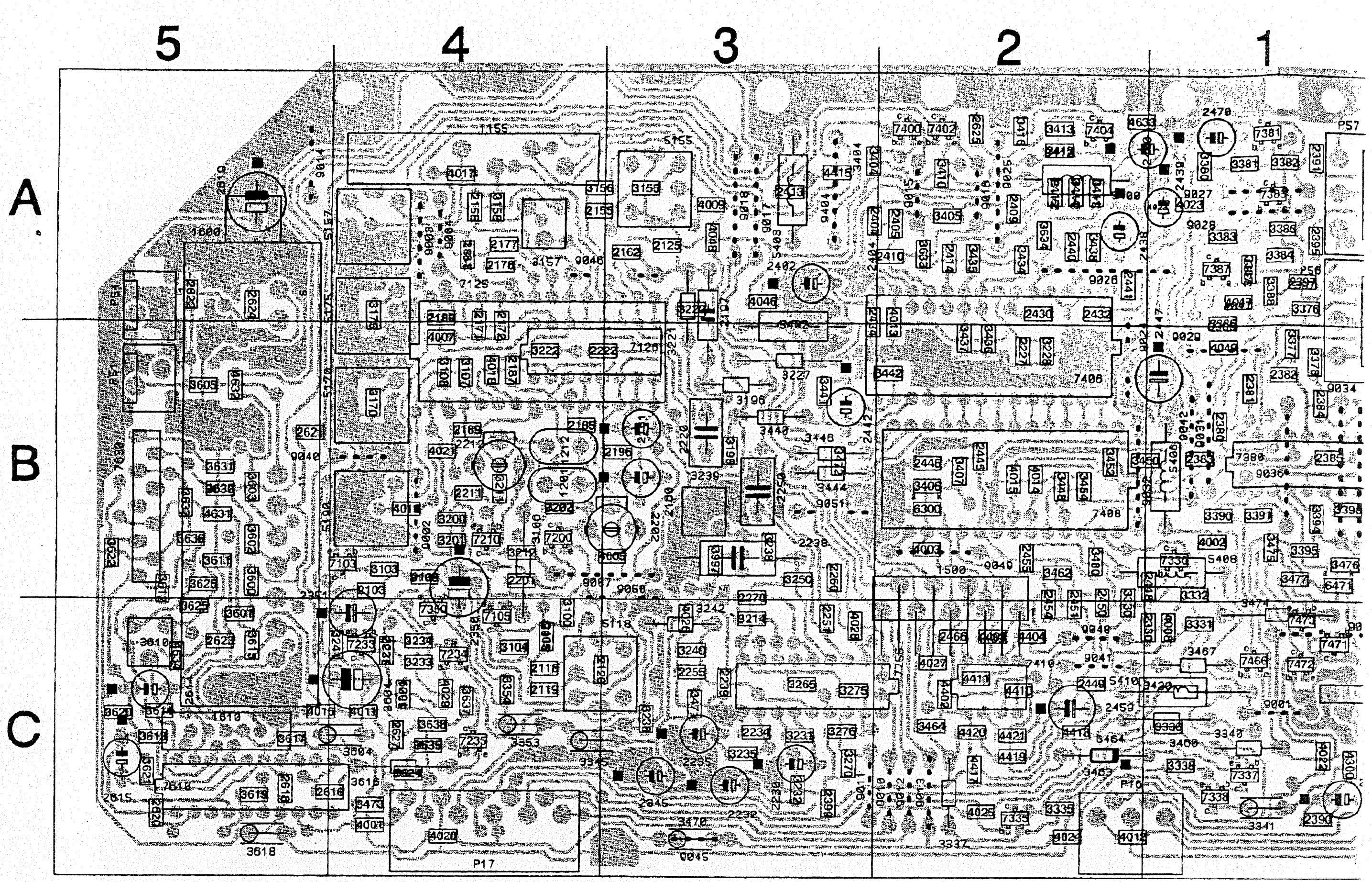
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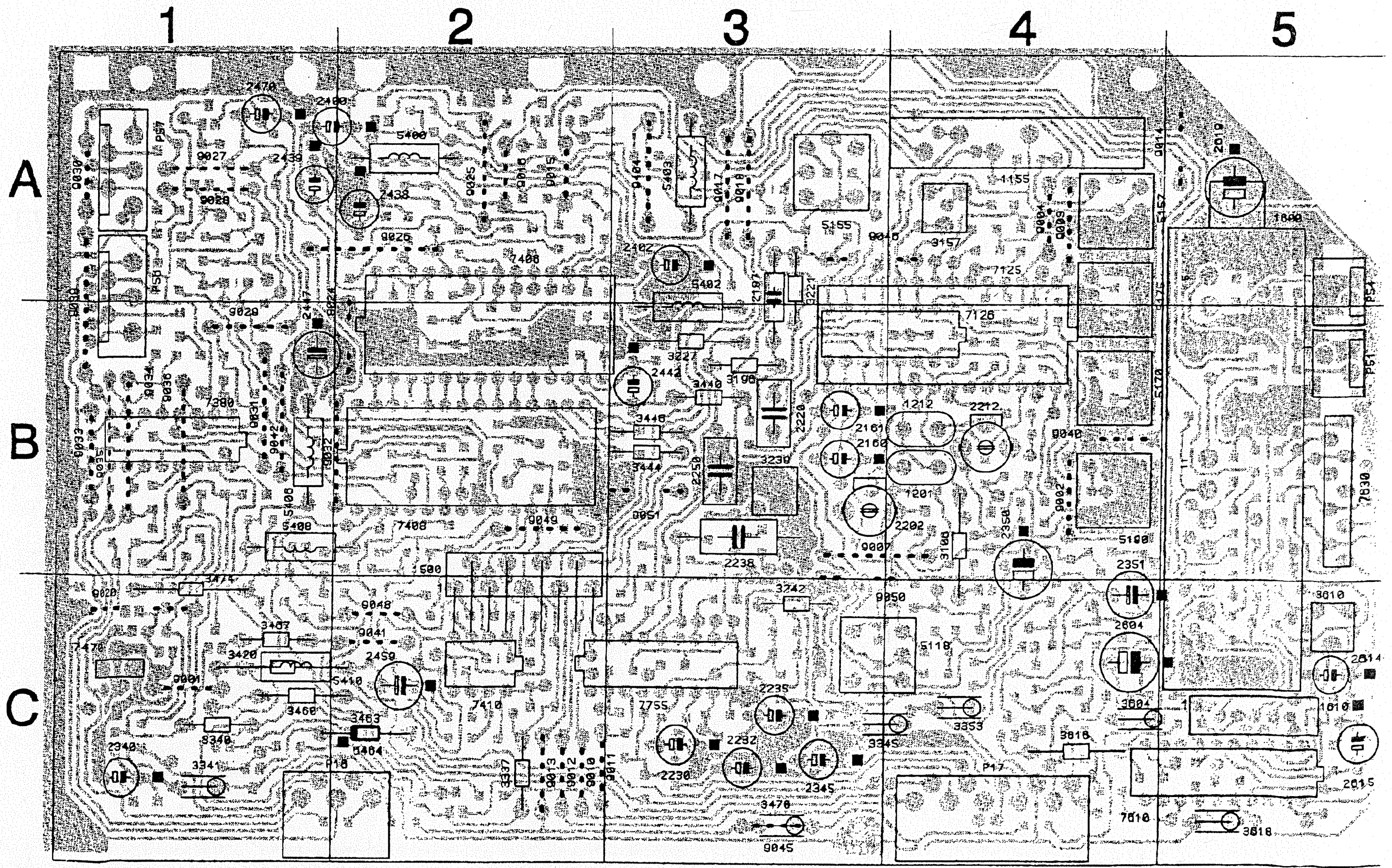
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P57
P58

Image dans l'image

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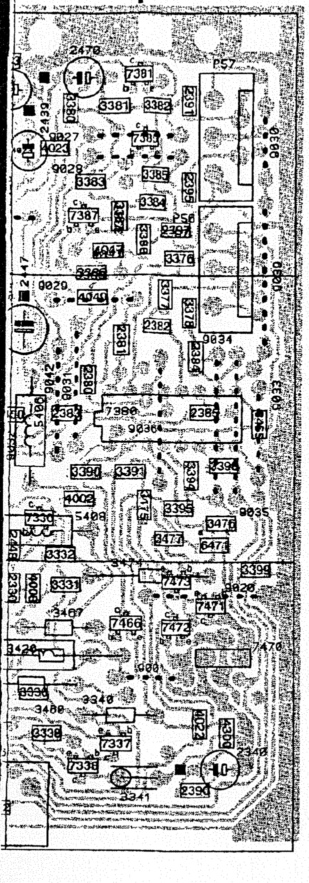
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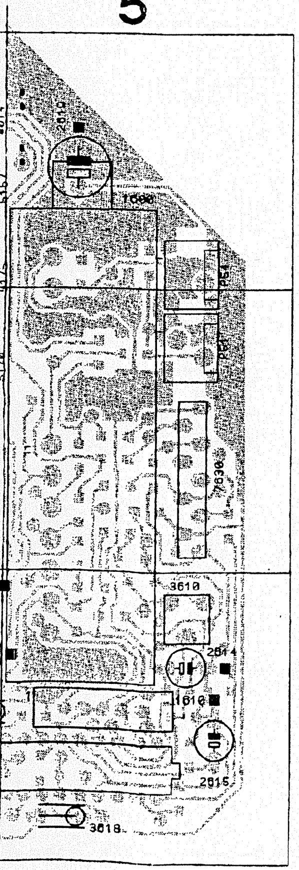
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P57 A1
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4023 A1
4024 C2
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4026 C3
4027 C2
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4029 C4
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4047 A1
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4404 C2
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4634 C5
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5157 A4
5170 B4
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5190 B4
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5402 A3
5403 A3
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5408 B1
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6301 C4
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9011 C3
9012 C2
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9028 A1
9029 B1
9030 A1
9031 B1
9032 B2
9033 B1
9034 B1
9035 B1
9036 B1
9039 A1
9040 B4
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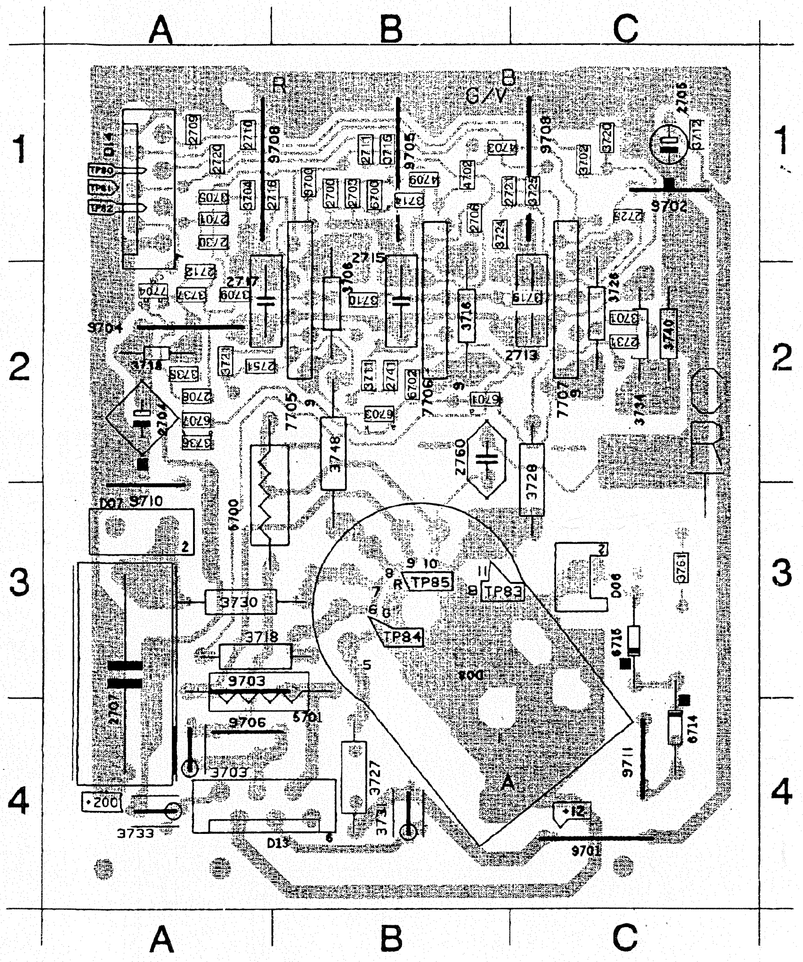
9404 A3

Picture tube panel / Bildröhren Platte /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B
C
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2
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4
R
G/V
B
TP80
TP81
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D14
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2710
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2716
3704
9705
9708
4703
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3702
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2705
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2726
2715
2717
9704
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2704
3716
2713
3740
3748
7705
7706
7707
2760
3728
D07 9710
6700
TP85
TP83
TP84
9 10
11
D06
3761
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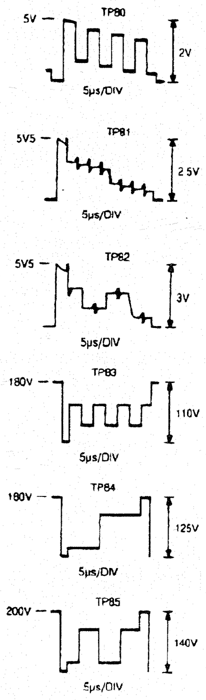

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2708	A2
2710	A1
2711	B1
2712	A2
2713	C2
2715	B2
2716	A1
2717	A2
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2741	B2
2751	A2
2760	B2
3700	B1
3701	C2
3702	C1
3703	A4
3704	A1
3705	A1
3706	B2
3709	A2
3710	B2
3711	B2
3712	C1
3714	B1
3715	B1
3716	B2
3718	A3
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3726	C2
3727	B4
3728	C2
3730	A3
3731	B4
3733	A4
3734	C2
3735	A2
3736	A2
3737	A2
3738	A2
3740	C2
3748	B2
3761	C3
4702	B1
4703	B1
4709	B1
5700	A3
5701	A3
6700	B1
6701	B2
6702	B2
6703	B2
6707	A2
6714	C3
6715	C3
7704	A2
7705	B1
7706	B1
7707	C1
9701	C4
9702	C1
9703	A3
9704	A2
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9709	C1
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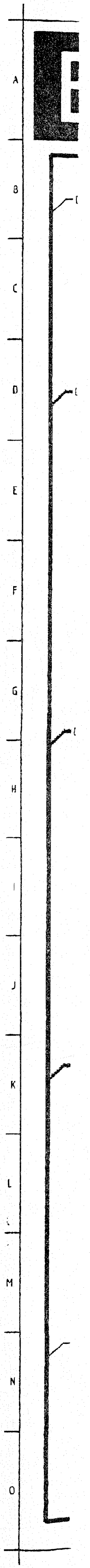
9711	C3


A
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G
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I
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K
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M
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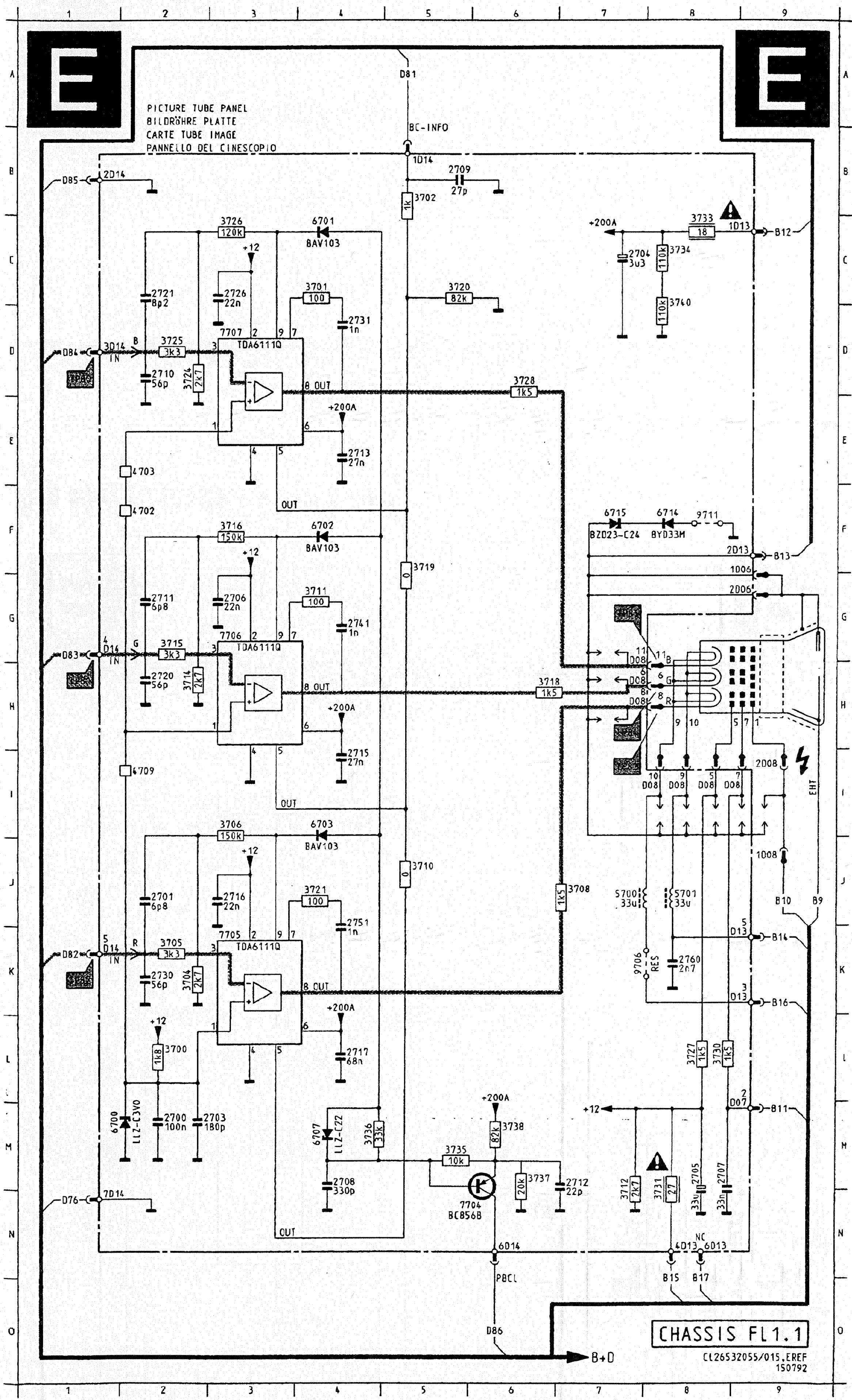
O

6.31 CHASSIS FL1.1 Platine TRC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PICTURE TUBE PANEL
BILDRÖHRE PLATTE
CARTE TUBE IMAGE
PANNELLO DEL CINESCOPIO
D81
BC-INFO
1D14
2709
27p
3702
1k
D85
2D14
3726
120k
6701
BAV103
+12
2721
8p2
2726
22n
3701
100
2731
1n
3720
82k
7707
TDA6111Q
D84
3D14
IN
B
3725
3k3
2710
56p
3724
2k7
8 OUT
3728
1k5
+200A
2713
27n
OUT
4703
4702
3716
150k
6702
BAV103
3719
0
2711
6p8
2706
22n
3711
100
2741
1n
7706
TDA6111Q
D83
4D14
G
3715
3k3
2720
56p
3714
2k7
3718
1k5
2715
27n
4709
3706
150k
6703
BAV103
3710
0
2701
6p8
2716
22n
3721
100
2751
1n
7705
TDA6111Q
D82
5D14
R
3705
3k3
2730
56p
3704
2k7
2717
68n
3700
1k8
6700
LLZ-C3V0
2700
100n
2703
180p
6707
LLZ-C22
3736
33k
2708
330p
3735
10k
3738
82k
7704
BC856B
3737
20k
2712
22p
D76
7D14
6D14
PBCL
D86
B+D
+200A
3733
18
1D13
B12
2704
3u3
3734
110k
3740
110k
6715
BZD23-C24
6714
BYD33M
9711
2D13
B13
1D06
2D06
D08
3708
1k5
2D08
EHT
1D08
B10
B9
5700
33u
5701
33u
9706
RES
2760
2n7
5D13
B14
3D13
B16
3727
1k5
3730
1k5
2D07
B11
+12
3712
2k7
3731
27
2705
33u
2707
33n
NC
4D13
6D13
B15
B17
CHASSIS FL1.1
CL26532055/015.EREF
150792

2700	M 2
2701	J 2
2703	M 2
2704	C 7
2705	M 8
2706	G 3
2707	M 8
2708	M 4
2709	B 5
2710	D 2
2711	G 2
2712	M 7
2713	E 4
2715	I 4
2716	J 3
2717	L 4
2720	H 2
2721	C 2
2726	C 3
2730	K 2
2731	D 4
2741	G 4
2751	K 4
2760	K 8
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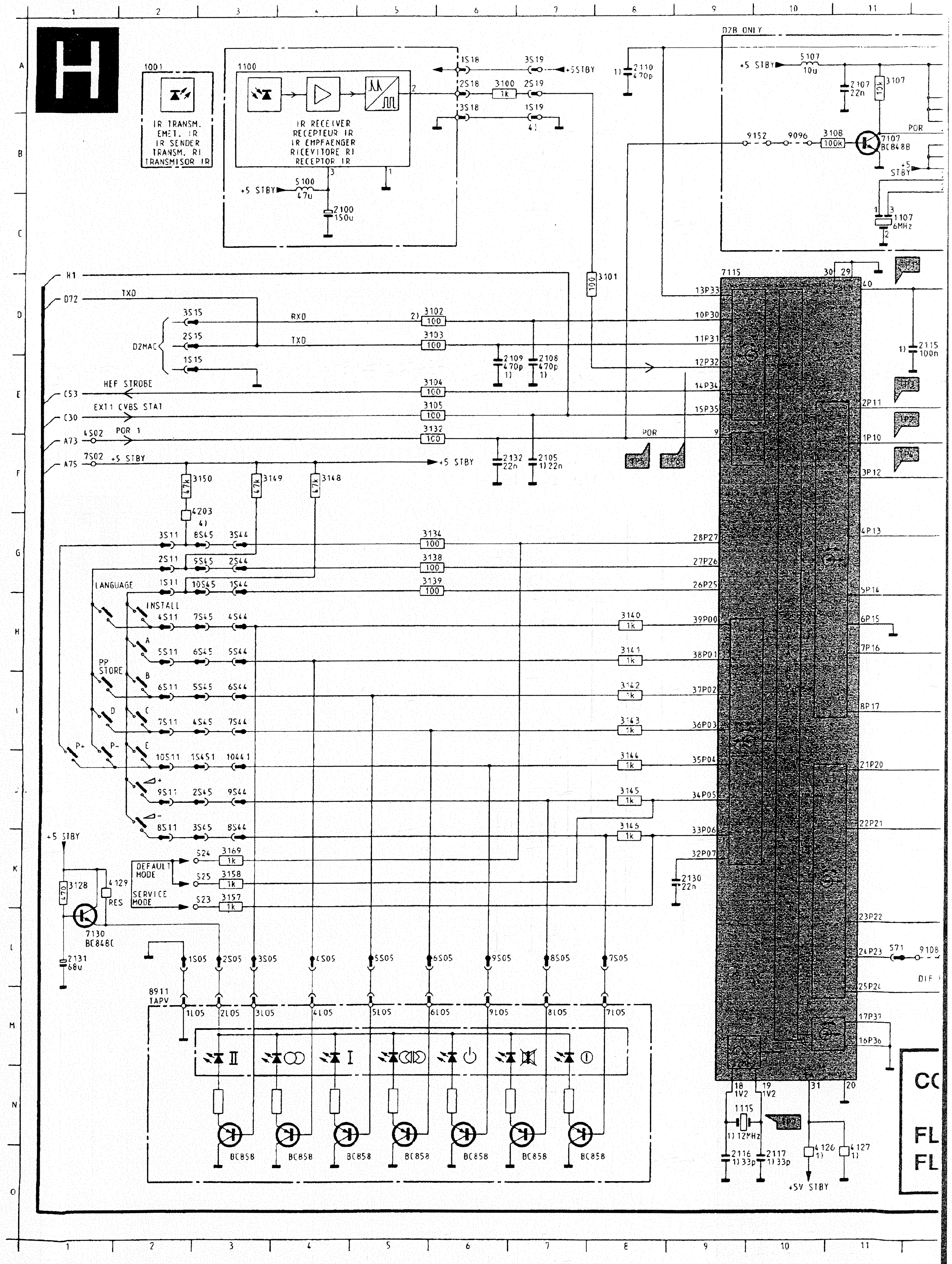
3701	C 4
3702	B 5
3704	K 2
3705	K 2
3706	I 3
3708	J 7
3710	J 5
3711	G 4
3712	M 7
3714	H 2
3715	G 2
3716	F 3
3718	H 6
3719	F 5
3720	C 5
3721	J 4
3724	D 2
3726	C 3
3727	L 8
3728	D 6
3730	L 8
3731	M 8
3733	C 8
3734	C 8
3735	M 5
3736	M 4
3737	M 6
3738	M 6
3740	C 8
4702	F 2
4703	E 2
4709	I 2
5700	J 7
5701	J 8
6700	M 1
6701	C 4
6702	F 4
6703	I 4
6707	M 4
6714	F 8
6715	F 7
7704	N 6
7705	K 3
7706	G 3
7707	D 3
9706	K 7
9711	F 8

Control / Bedienung / Commande


H
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100 47u
2100 150u
1S18
2S18
3S18
3S19
2S19
1S19
3100 1k
+5STBY
2110 470p
D2B ONLY
+5 STBY
5107 10u
2107 22n
3107 10k
POR
9152
9096
3108 100k
7107 BC848B
+5 STBY
1107 6MHz
H1
D72
TXD
RXD
D2MAC
3S15
2S15
1S15
3101 100
3102 100
3103 100
2109 470p
2108 470p
HEF STROBE
C53
EXT1 CVBS STAT
C30
4S02
POR 1
A73
7S02
+5 STBY
A75
3104 100
3105 100
3132 100
2132 22n
2105 22n
3150 47k
3149 47k
3148 47k
4203
3S11
8S45
3S44
2S11
5S45
2S44
LANGUAGE
1S11
10S45
1S44
INSTALL
4S11
7S45
4S44
5S11
6S45
5S44
PP STORE
6S11
5S45
6S44
7S11
4S45
7S44
P+
P-
10S11
1S451
10441
9S11
2S45
9S44
8S11
3S45
8S44
3134 100
3138 100
3139 100
3140 1k
3141 1k
3142 1k
3143 1k
3144 1k
3145 1k
3146 1k
DEFAULT MODE
SERVICE MODE
S24
S25
S23
3169 1k
3158 1k
3157 1k
2130 22n
3128 470
4129
RES
7130 BC848C
2131 68u
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
8911 TAPV
1L05
2L05
3L05
4L05
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6L05
9L05
8L05
7L05
BC858
7115
13P33
10P30
11P31
12P32
14P34
15P35
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
30
29
40
2115 100n
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
S71
9108
DIF
18 1V2
19 1V2
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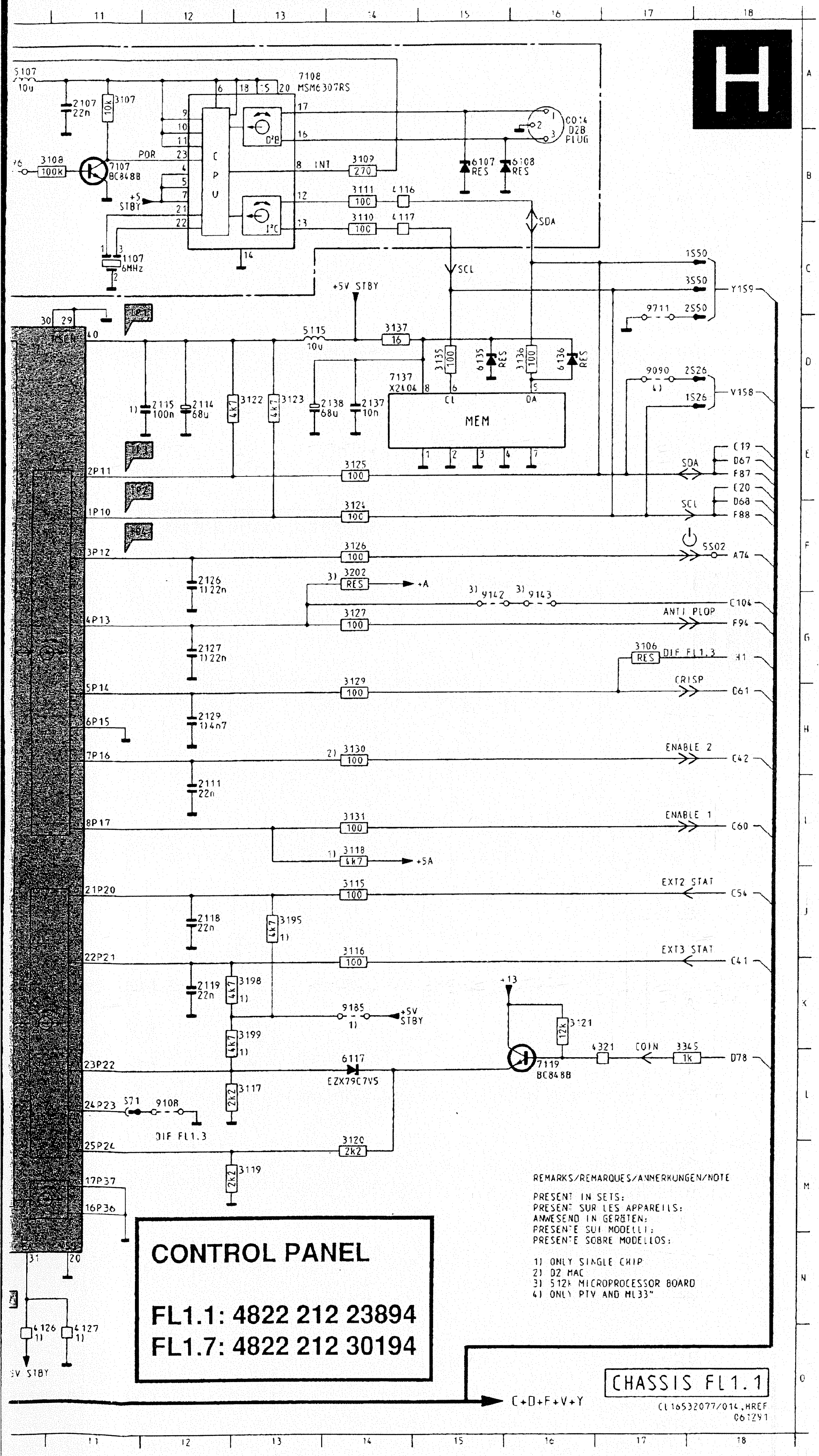
2116 33p
2117 33p
31
20
4126
4127
+5V STBY

6.32 6.33 CHASSIS FL1.1



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22n
3107
10k
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18
15
20
17
16
9
10
11
23
4
5
7
21
22
12
13
14
8
INT
CPU
D²B
I²C
POR
3108
100k
7107
BC848B
+5
STBY
1107
6MHz
3109
270
3111
100
4116
3110
100
4117
6107
RES
6108
RES
CO14
D2B
PLUG
SDA
SCL
+5V STBY
1SS0
3SS0
Y159
9711
2SS0
5115
10u
3137
16
3135
100
6135
RES
3136
100
6136
RES
7137
X2404
CL
DA
MEM
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2S26
1S26
V158
2115
100n
2114
68u
3122
4k7
3123
4k7
2138
68u
2137
10n
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2P11
3125
100
SDA
C19
D67
F87
1P10
3124
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SCL
C20
D68
F88
3P12
3126
100
SS02
A74
2126
1) 22n
3) 3202
RES
+A
3) 9142
3) 9143
C104
4P13
3127
100
ANTI PLOP
F94
2127
1) 22n
3106
RES
DIF FL1.3
H1
5P14
3129
100
CRISP
C61
2129
1) 4n7
6P15
7P16
2) 3130
100
ENABLE 2
C42
2111
22n
8P17
3131
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ENABLE 1
C60
1) 3118
4k7
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21P20
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EXT2 STAT
C54
2118
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4k7
1)
22P21
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EXT3 STAT
C41
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+5V
STBY
+13
3121
12k
3199
4k7
1)
23P22
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EZX79C7V5
7119
BC848B
4321
COIN
3345
1k
D78
3117
2k2
24P23
S71
9108
DIF FL1.3
25P24
3120
2k2
3119
2k2
17P37
16P36
31
20
4126
1)
4127
1)
5V STBY
C+D+F+V+Y
CL 16532077/014.HREF
061291
A
B
C
D
E
F
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I
J
K
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M
N
O

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

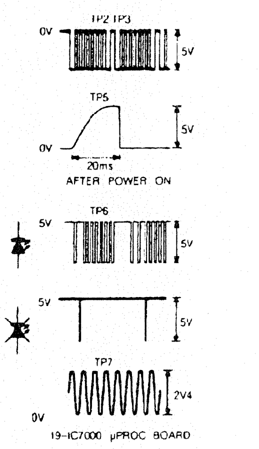
1) ONLY SINGLE CHIP
2) D2 MAC
3) 512K MICROPROCESSOR BOARD
4) ONLY PTV AND ML33"

CONTROL PANEL

FL1.1: 4822 212 23894
FL1.7: 4822 212 30194

CHASSIS FL1.1

0014	A16
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 3
2111	I12
2114	D12
2115	D12
2116	D 9
2117	D10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	D 8
3102	D 5
3103	D 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3128	K 1
3129	H14
3130	H14
3131	I14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	D10
4127	D11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	D16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17

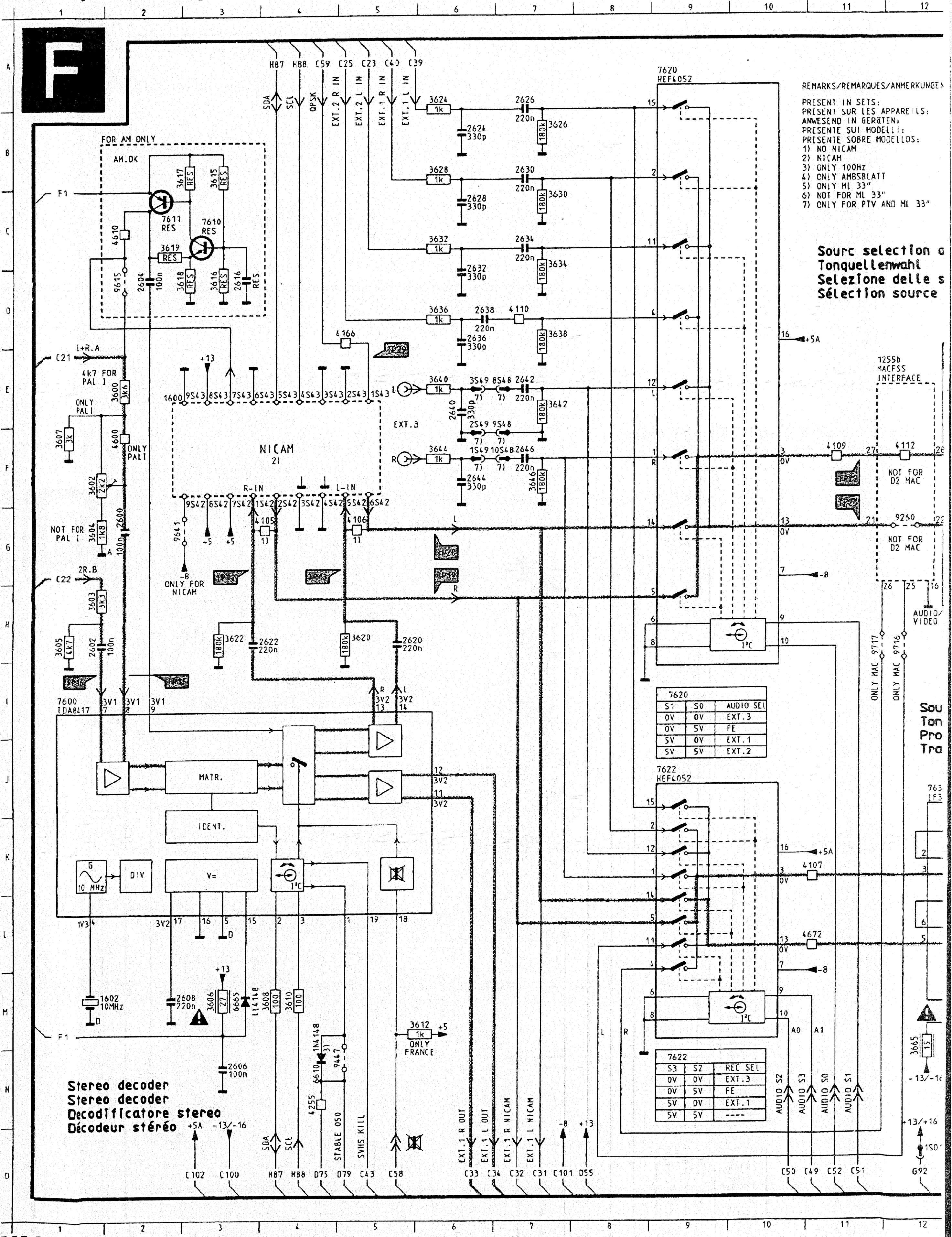


PRS 06956
T-26/13

Audio processing

Ton Verarbeitung

CHASSIS FL1.1 **6.34** **6.35**


F
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
H87
H88
C59
C25
C23
C40
C39
SDA
SCL
QPSK
EXT.2 R IN
EXT.2 L IN
EXT.1 R IN
EXT.1 L IN
3624
1k
2624
330p
2626
220n
3626
180k
3628
2628
2630
3630
3632
2632
2634
3634
3636
2636
2638
4110
3638
3640
3S49
8S48
2642
2640
3642
2S49
9S48
3644
1S49
10S48
2646
2644
3646
7)
EXT.3
L
R
4166
FOR AM ONLY
AM.DK
3617
RES
3615
7611
7610
3619
4610
9615
2604
100n
3618
3616
2616
F1
I+R.A
C21
4k7 FOR PAL I
3600
3k6
ONLY PAL I
3607
3k
4600
3602
2k2
NOT FOR PAL I
3604
1k8
2600
2R.B
C22
3603
3k3
3605
4k7
2602
+13
1600
9S43
8S43
7S43
6S43
5S43
4S43
3S43
2S43
1S43
NICAM
2)
R-IN
L-IN
9S42
8S42
7S42
1S42
2S42
3S42
4S42
5S42
6S42
4105
4106
1)
9641
+5
-8
ONLY FOR NICAM
3622
180k
2622
220n
3620
2620
7600
TDA8417
3V1
3V2
13
14
MATR.
IDENT.
DIV
V=
10 MHz
I²C
1V3
17
16
15
19
18
1602
10MHz
2608
220n
3606
2606
100n
6665
1N4148
3608
100
3610
4255
6610
9447
3612
ONLY FRANCE
STABLE 050
SVHS KILL
C102
C100
D75
D79
C43
C58
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
C33
C34
C32
C31
C101
D55
7620
HEF4052
+5A
-8
0V
1255b
MACFSS INTERFACE
4109
4112
NOT FOR D2 MAC
9260
AUDIO/VIDEO
ONLY MAC 9717
ONLY MAC 9716
7622
HEF4052
4107
4672
A0
A1
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1
C50
C49
C52
C51
3665
15
-13/-16
+13/+16
1501
G92
763
LF3
Sou
Ton
Pro
Tra

REMARKS/REMARQUES/ANMERKUNGEN

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

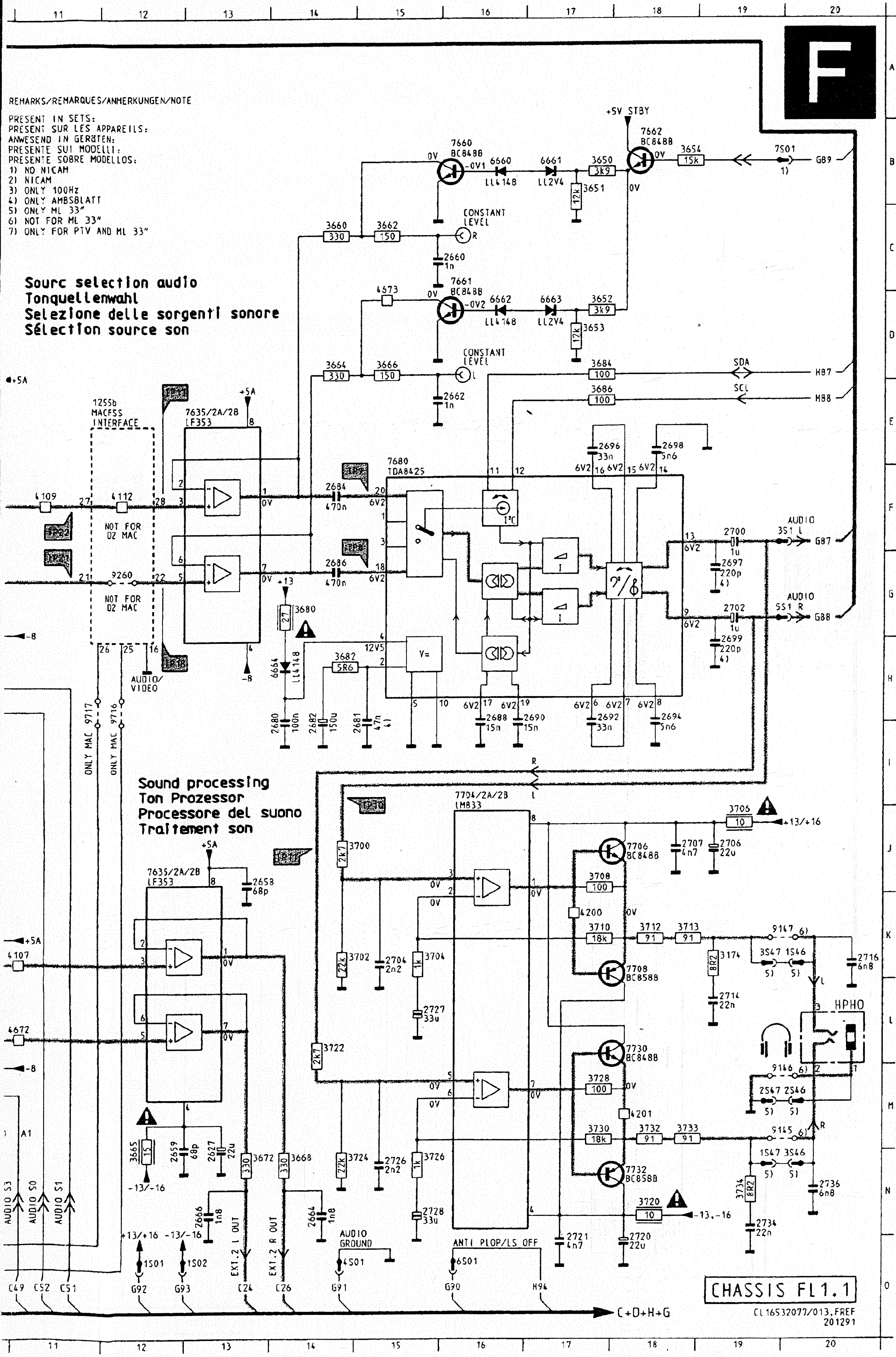
Sourc selection a
Tonquellenwahl
Selezione delle s
Sélection source

7620		
S1	S0	AUDIO SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	EXT.2

7622		
S3	S2	REC SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	----

Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo

Traitement audio


11
12
13
14
15
16
17
18
19
20
F
Sourc selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son
+5V STBY
7660
BC848B
0V
-0V1
6660
LL4148
6661
LL2V4
3650
3k9
3651
12k
7662
BC848B
0V
3654
15k
7S01
1)
G89
3660
330
3662
150
CONSTANT
LEVEL
R
2660
1n
4673
7661
BC848B
-0V2
6662
LL4148
6663
LL2V4
3652
3k9
3653
12k
3664
330
3666
150
CONSTANT
LEVEL
L
2662
1n
3684
100
SDA
H87
3686
100
SCL
H88
+5A
1255b
MACFSS
INTERFACE
7635/2A/2B
LF353
8
4109
27
4112
28
NOT FOR
D2 MAC
21
9260
22
NOT FOR
D2 MAC
26
25
16
AUDIO/
VIDEO
-8
ONLY MAC 9717
ONLY MAC 9716
2684
470n
2686
470n
7680
TDA8425
20
6V2
18
6V2
1
3
11
12
I²C
2696
33n
2698
5n6
6V2
16
15
14
+13
3680
27
6664
LL4148
4
12V5
3682
5R6
2
V=
2680
100n
2682
150u
2681
47n
4)
5
10
17
19
2688
15n
2690
15n
6
7
8
2692
33n
2694
5n6
13
6V2
2700
1u
2697
220p
4)
AUDIO
3S1 L
G87
9
2702
1u
2699
220p
4)
AUDIO
5S1 R
G88
R
L
Sound processing
Ton Prozessor
Processore del suono
Traitement son
7704/2A/2B
LM833
3706
10
+13/+16
3700
2k7
0V
7706
BC848B
2707
4n7
2706
22u
3708
100
4200
3710
18k
3712
91
3713
91
9147
6)
3S47
1S46
5)
3174
8R2
2716
6n8
2714
22n
7708
BC858B
HPHO
3702
22k
2704
2n2
3704
1k
2727
33u
3722
2k7
7730
BC848B
3728
100
4201
9146
6)
2S47
2S46
5)
3730
18k
3732
91
3733
91
9145
6)
1S47
3S46
7732
BC858B
3734
8R2
2736
6n8
2734
22n
3720
10
-13,-16
2721
4n7
2720
22u
ANTI PLOP/LS OFF
6S01
G90
H94
C+D+H+G
3724
22k
2726
2n2
3726
1k
2728
33u
+5A
2658
68p
4107
4672
1
0V
7
3665
15
-13/-16
2659
68p
2627
22u
3672
330
3668
330
2666
1n8
2664
1n8
EXT.2 L OUT
EXT.2 R OUT
AUDIO
GROUND
4S01
+13/+16
1S01
1S02
A1
AUDIO S3
AUDIO S0
AUDIO S1
C49
C52
C51
G92
G93
C24
C26
G91
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

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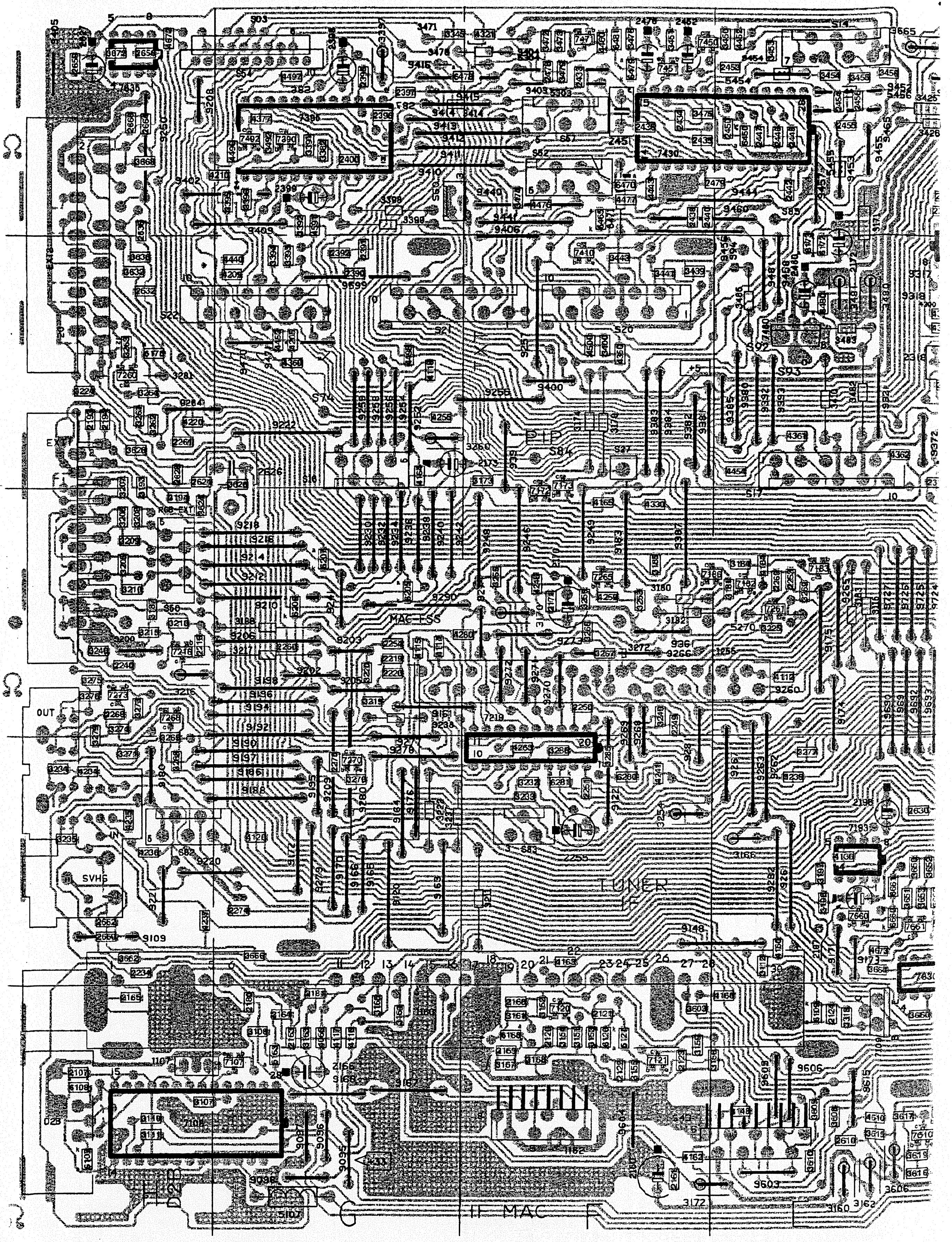
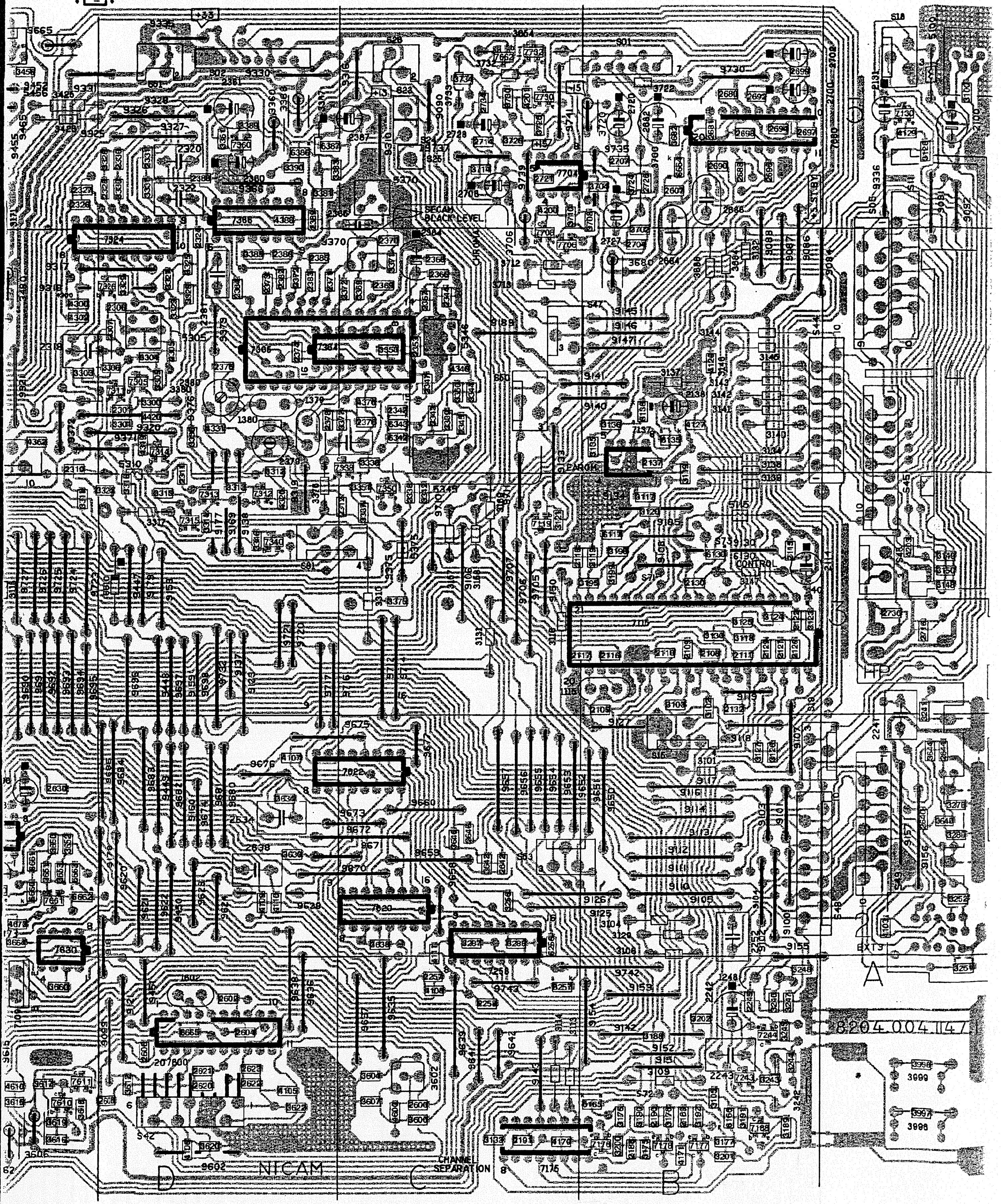
CHASSIS FL1.1

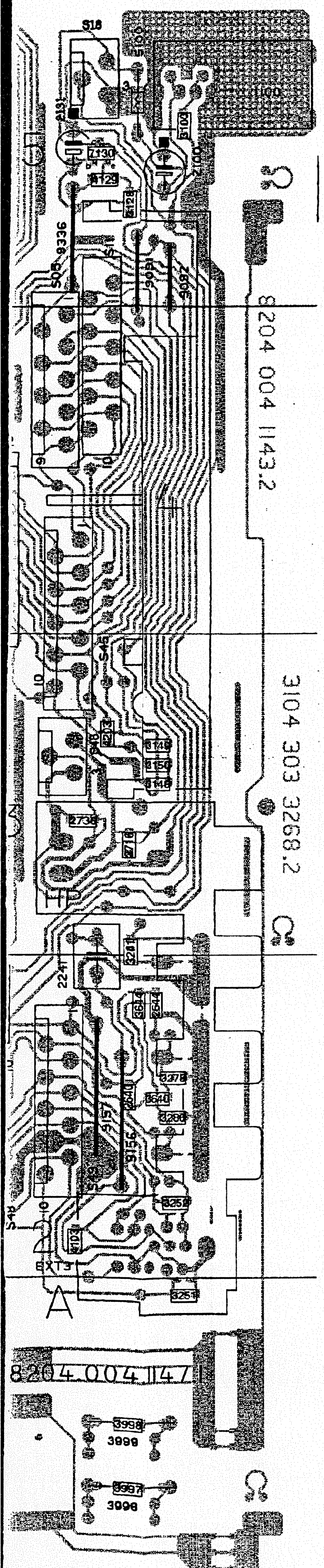
CL 16532077/013.FREF
201291

1255	E11	3730	M17
1600	E 2	3732	M18
1602	M 1	3733	M18
2600	G 2	3734	N19
2602	H 1	4105	G 4
2604	D 2	4106	G 5
2606	N 3	4107	K11
2608	M 2	4109	F11
2616	D 3	4110	D 7
2620	H 5	4112	F12
2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
2640	E 6	6661	B17
2642	E 7	6662	D16
2644	F 6	6663	D17
2646	F 7	6664	H14
2658	J13	6665	M 3
2659	M12	7600	I 1
2660	C16	7610	C 3
2662	E16	7611	C 2
2664	N14	7620	A 9
2666	N13	7622	J 9
2680	H14	7635	E12
2681	H15	7635	J12
2682	H14	7660	B16
2684	F14	7661	C16
2686	G14	7662	B18
2688	H16	7680	E15
2690	H16	7704	I16
2692	H17	7706	J18
2694	H18	7708	K18
2696	E17	7730	L18
2697	G19	7732	N18
2698	E18	9145	M20
2699	H19	9146	M20
2700	F19	9147	K20
2702	G19	9260	G12
2704	K15	9447	N 5
2706	J19	9615	D 2
2707	J18	9641	G 2
2714	L19	9716	H12
2716	K20	9717	H11
2720	O18		
2721	O17		
2726	N15		
2727	L15		
2728	N15		
2734	N19		
2736	N20		
3174	K19		
3600	E 2		
3602	F 1		
3603	H 1		
3604	G 1		
3605	H 1		
3606	M 3		
3607	F 1		
3608	M 4		
3610	M 4		
3612	M 6		
3615	B 3		
3616	D 3		
3617	B 3		
3618	D 3		
3619	C 2		
3620	H 5		
3622	H 3		
3624	A 6		
3626	B 7		
3628	B 6		
3630	C 7		
3632	C 6		
3634	C 7		
3636	D 6		
3638	D 7		
3640	E 6		
3642	E 7		
3644	F 6		
3646	F 7		
3650	B17		
3651	B17		
3652	D17		
3653	D17		
3654	B18		
3660	C14		
3662	C15		
3664	D14		
3665	M12		
3666	D15		
3668	N14		
3672	N13		
3680	G14		
3682	H14		
3684	D17		
3686	E17		
3700	J14		
3702	K14		
3704	K15		
3706	J19		
3708	J17		
3710	K17		
3712	K18		
3713	K18		
3720	N18		
3722	L14		
3724	N14		
3726	N15		
3728	M17		


EXT 2
EXT
OUT
IN
SVHS
RGB-EXT
MAC-ESS
PIP
TUNER
IF
IF MAC
F
G
H
9400
9250
S17
S74
S84
S92
S93
+5
7430
7390
7101
7107
3255

Platine à petite signaux


SECAM BLACK LEVEL
CHROMA
CONTROL
PAROM
STBY
NICAM
CHANNEL SEPARATION
A
B
C
D
8204 004 147



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EXT1 H3	2172 E4	2390 G4	3100 A5	3187 H3	3305 D4	3600 C1	4148 E1	6168 F1	7611 E1	9173 E2	9328 D5	9670 C2
EXT2 H4	2173 G4	2391 G4	3101 B2	3188 B1	3306 D4	3602 C1	4160 E2	6172 E4	7620 C2	9174 E3	9330 D5	9671 D2
EXT3 A3	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3603 F1	4162 F1	6173 E4	7622 C2	9175 E3	9331 D5	9672 C2
S01 B5	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3604 C1	4163 F2	6178 H4	7630 E1	9176 G2	9335 D5	9673 C2
S02 D5	2188 B1	2396 G6	3104 B2	3191 B1	3312 D4	3605 E1	4164 G4	6205 G3	7635 H5	9177 D3	9336 A5	9674 D2
S03 H5	2188 B1	2397 G5	3105 B1	3192 B1	3313 D3	3606 E1	4165 F3	6206 G3	7660 E2	9178 D2	9361 F3	9675 D2
S05 A4	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3607 C1	4166 E1	6207 G3	7661 E2	9179 D3	9366 D5	9676 D2
S11 A5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3608 E1	4170 C1	6256 C2	7662 C5	9180 H2	9371 D4	9677 C2
S14 E5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3610 E1	4171 B1	6257 C1	7680 B5	9181 D2	9372 E4	9680 D2
S15 B2	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3612 D1	4184 E3	6280 F2	7704 C5	9183 F3	9375 C3	9681 D2
S16 G4	2196 E2	2434 F5	3110 H1	3197 E2	3318 E1	3615 E1	4200 C5	6281 F2	7706 C4	9185 B3	9376 D4	9682 D2
S17 E4	2197 E2	2435 F5	3111 H1	3198 B3	3323 D4	3616 E1	4201 C5	6342 C4	7708 C4	9186 G2	9379 D4	9683 D2
S18 A5	2216 H3	2436 F5	3112 E2	3199 B3	3324 D3	3617 E1	4203 A3	6343 C4	7730 C5	9188 G2	9380 E4	9684 D2
S19 B2	2218 G3	2438 F5	3113 C1	3200 B1	3325 D4	3618 E1	4205 G4	6386 D5	7732 C5	9189 C4	9381 F4	9685 D2
S20 F4	2220 G3	2440 F5	3114 C1	3201 B1	3326 D4	3619 E1	4209 G4	6387 D5	9084 B4	9190 G2	9382 F4	9690 E3
S21 F4	2234 H2	2442 E5	3115 E3	3202 B1	3327 D4	3620 D1	4210 G5	6460 E5	9086 B4	9192 G3	9383 F4	9691 E3
S22 G4	2240 H3	2445 E5	3116 C3	3205 H3	3328 D5	3622 D1	4220 H4	6465 F5	9087 B4	9194 G3	9384 F4	9692 E3
S23 C5	2241 A2	2446 E5	3117 B3	3206 H3	3329 D4	3624 H3	4234 H2	6470 F5	9088 B4	9195 G2	9385 E4	9693 E3
S24 C5	2242 B1	2447 E5	3118 B3	3207 H4	3330 D5	3626 G4	4235 H2	6471 F5	9090 C5	9196 G3	9387 F3	9694 E3
S25 C5	2243 B1	2450 E5	3119 B4	3208 H3	3331 D5	3628 H4	4236 H2	6478 F5	9091 A5	9197 G2	9391 F4	9695 E3
S26 C5	2245 B1	2451 F5	3120 B3	3209 H3	3336 D4	3630 D2	4237 H2	6479 F5	9092 A5	9198 G3	9392 E4	9696 D3
S27 F4	2249 F3	2452 F5	3121 C3	3210 H3	3337 C3	3632 H4	4241 F2	6480 E4	9093 D1	9200 H3	9393 E4	9697 D3
S42 D1	2250 F3	2453 E5	3122 B3	3211 F2	3338 C4	3634 D2	4246 F3	6481 F5	9095 G1	9202 G3	9400 F4	9698 D3
S43 F1	2251 F2	2454 E5	3123 B3	3215 H3	3339 C4	3636 H4	4255 G4	6610 D3	9096 G1	9203 G3	9402 H5	9705 C3
S44 B4	2252 B2	2455 E5	3124 B3	3216 H3	3342 C3	3638 C2	4259 F3	6660 E2	9097 G1	9205 G3	9403 F5	9706 C3
S45 A4	2253 E3	2456 E5	3125 B3	3217 G3	3344 C4	3640 A2	4263 F2	6661 E2	9098 G1	9206 G3	9404 F5	9707 C3
S46 A3	2254 G3	2476 F5	3126 B2	3218 H3	3345 G5	3642 C2	4260 F3	6662 E2	9100 B2	9208 H5	9405 H5	9710 C3
S47 C4	2255 F2	2478 F5	3127 B2	3219 G3	3346 D3	3644 A2	4300 E4	6663 E2	9101 B2	9209 G2	9406 F4	9711 C3
S48 B2	2257 C1	2479 E5	3128 A5	3220 G3	3350 C4	3646 C2	4302 E4	6664 B5	9102 B2	9210 G3	9409 G5	9712 C3
S49 A2	2258 C1	2480 E4	3129 B2	3222 G2	3351 C3	3650 E2	4319 D4	6665 D1	9103 B2	9212 G3	9410 G5	9714 C3
S50 C4	2260 G3	2600 C1	3130 B3	3224 H4	3353 C4	3651 E2	4320 D3	7107 G1	9104 B2	9214 G3	9411 F5	9716 D3
S51 D5	2261 H4	2602 D1	3131 C3	3225 E3	3360 D5	3652 E2	4321 F5	7108 G1	9105 B2	9216 G3	9412 F5	9717 D3
S52 F5	2268 H3	2604 D1	3132 B4	3232 F2	3361 D5	3653 E2	4330 F3	7109 E1	9106 C3	9218 G3	9413 G5	9720 D3
S53 C2	2269 E3	2606 D1	3133 C1	3233 F2	3369 C4	3654 C5	4331 D4	7115 B3	9107 B2	9220 G2	9414 G5	9721 D3
S54 H5	2270 G2	2607 B5	3134 B4	3234 H2	3370 C4	3660 E1	4346 C4	7119 C3	9108 B3	9221 H2	9415 F5	9723 E3
S56 H3	2274 G2	2608 D1	3135 B4	3235 H2	3371 C4	3662 H2	4350 F4	7120 F1	9109 H2	9222 G4	9416 G5	9724 E3
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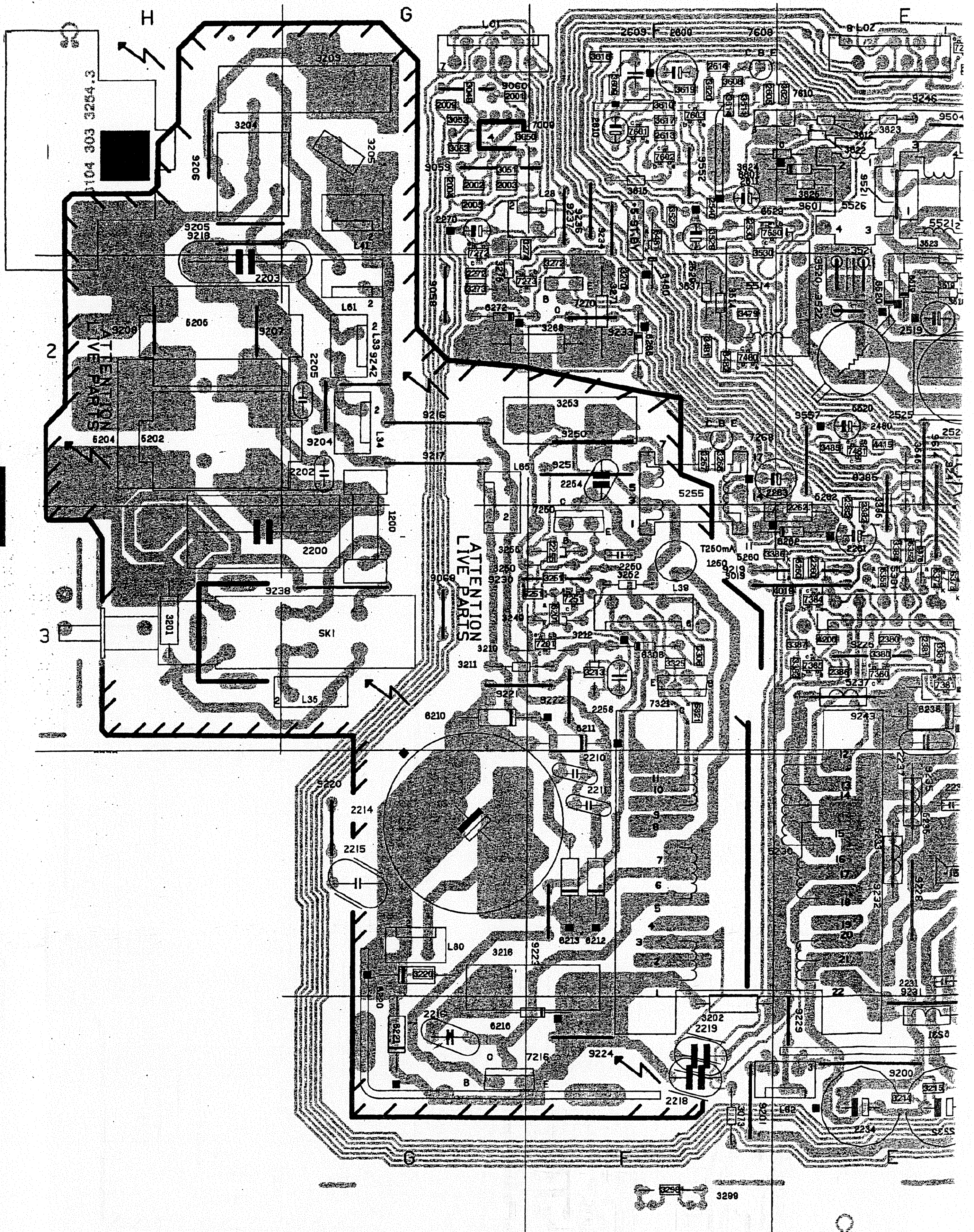
Large signal panel

Großsig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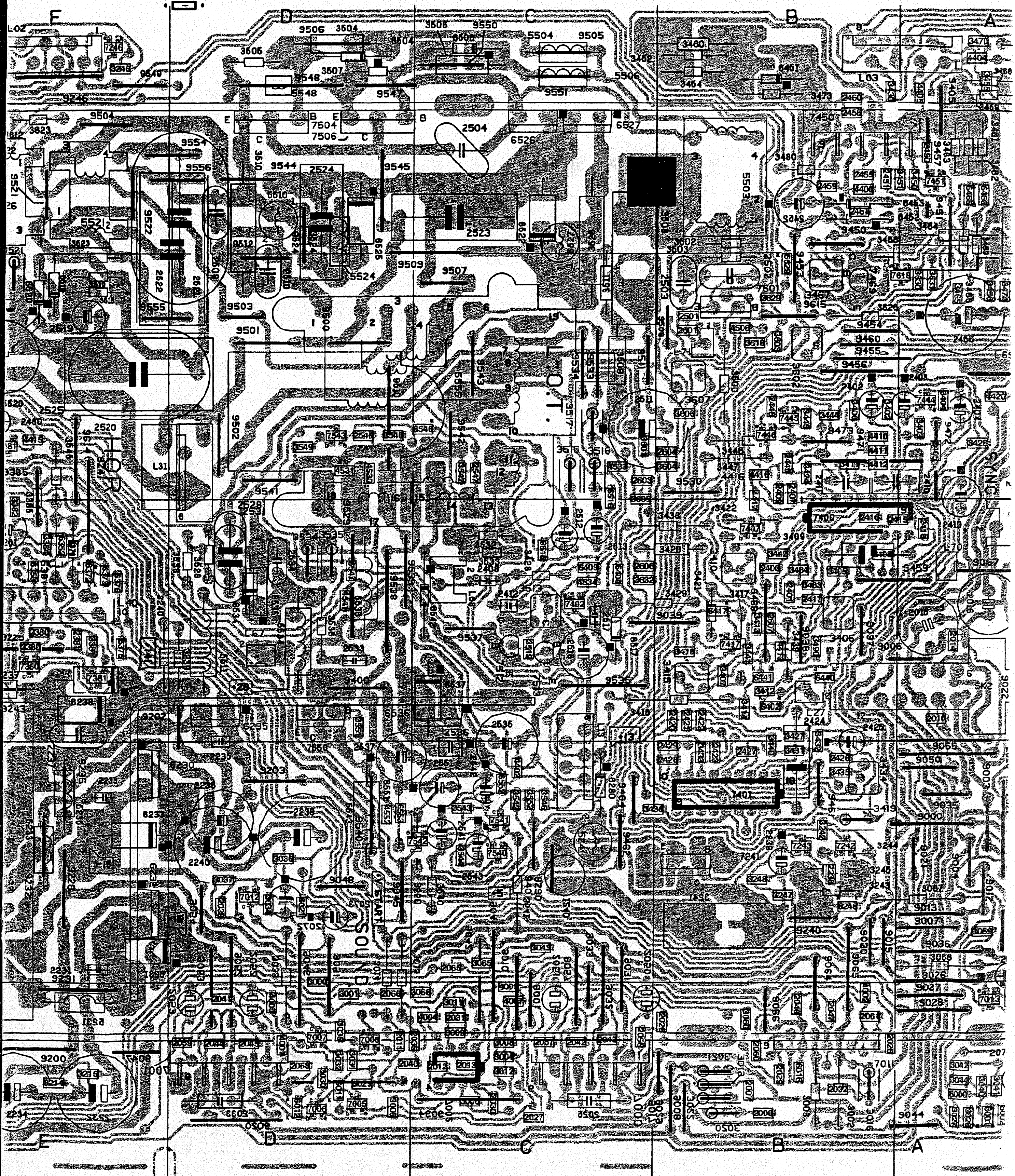
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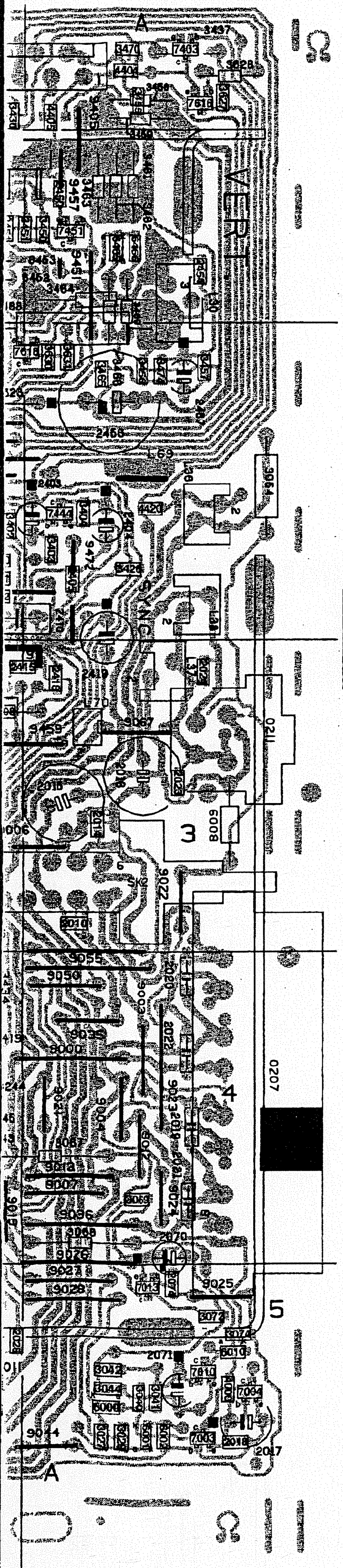

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2041	D5	2450	A1	3068	A4	3412	B3	3543	C4	6001	A5	7010	A5	9048	D4	9541	D2
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2043	C5	2452	B1	3072	A5	3414	B3	3545	E2	6008	A3	7012	D4	9051	D4	9543	C2
2044	D5	2454	A1	3073	F5	3415	B3	3546	C4	6010	A5	7013	A5	9052	D4	9544	D1
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2046	B5	2456	A2	3201	H3	3417	B3	3548	D2	6012	D5	7216	G5	9054	D4	9547	D1
2047	B5	2457	A2	3202	F5	3418	B3	3549	D2	6016	B5	7241	B4	9055	A4	9548	D1
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2053	D5	2461	B1	3210	F3	3422	B3	3601	C2	6211	F3	7250	F3	9059	G1	9552	F1
2056	C5	2480	E2	3211	G3	3424	B2	3602	B2	6212	F4	7251	F3	9060	G1	9554	D1
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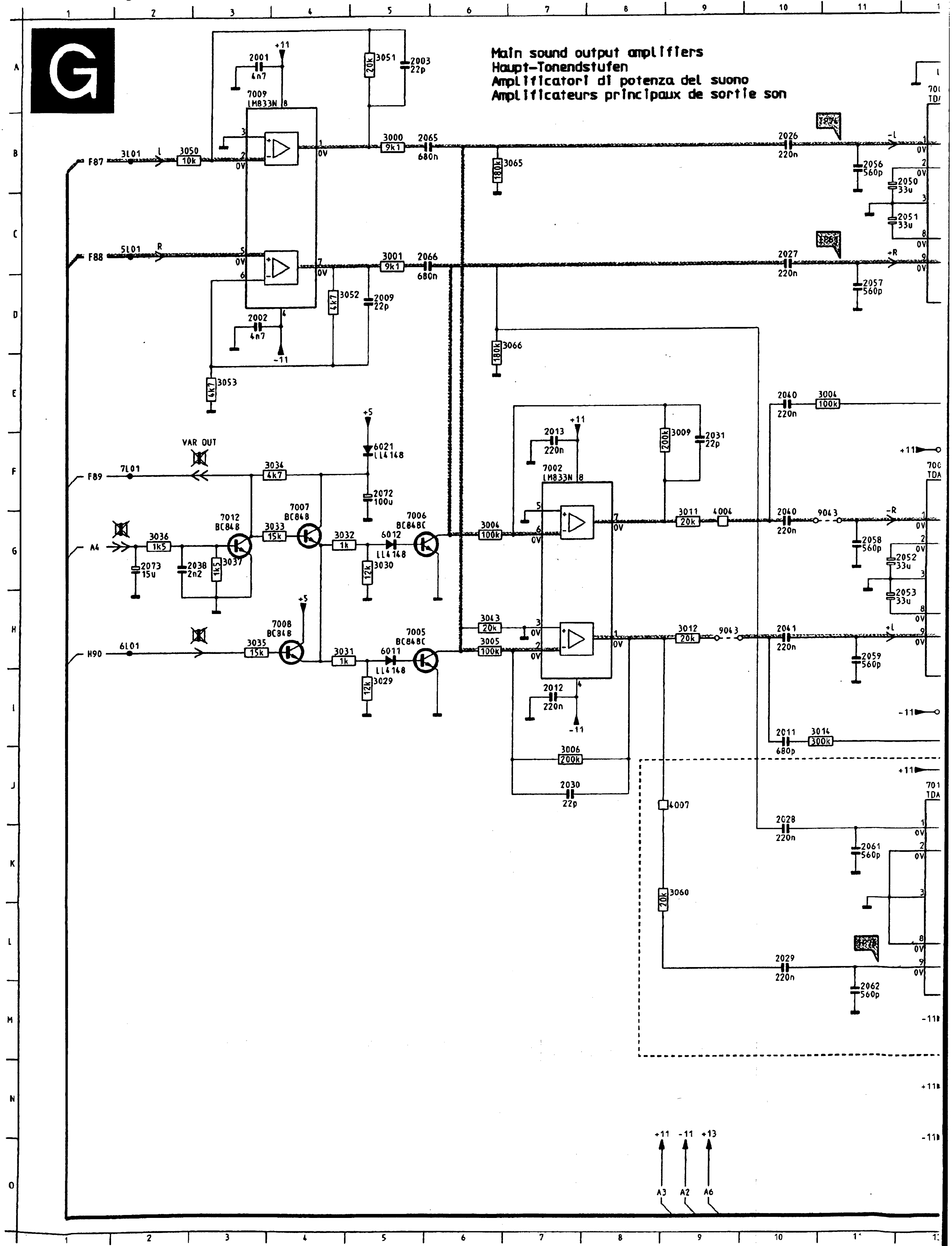
2060	B5	2504	C1	3215	E5	3429	B3	3606	B2	6221	G5	7273	G2	9067	A3	9601	E1
2061	B5	2509	D1	3216	F4	3430	B1	3607	B2	6230	E4	7305	H5	9068	G3	9614	E2
2065	C4	2510	D2	3220	G4	3431	B4	3608	F1	6231	E4	7311	H5	9200	E5	9615	B2
2066	D5	2511	C2	3239	D3	3432	B4	3609	F1	6232	E4	7312	H5	9201	F5		
2070	A4	2512	C3	3240	E3	3433	B4	3610	F1	6233	E4	7318	H5	9202	D3		
2071	A5	2513	C3	3241	B4	3434	B4	3611	F1	6235	D3	7320	H4	9203	D4		
2072	D4	2517	C3	3242	B4	3435	B4	3612	E1	6237	E3	7321	F3	9204	G2		
2073	D4	2518	C3	3243	B4	3436	B4	3614	F1	6238	E3	7360	H4	9205	H1		
2074	A5	2519	E2	3244	B4	3437	A1	3615	F1	6246	B4	7369	H4	9206	H1		
2200	H3	2520	E2	3245	B4	3438	B3	3616	F1	6251	F3	7370	H4	9207	H2		
2202	G2	2521	D1	3246	E1	3439	B3	3617	F1	6260	E3	7371	H4	9208	H2		
2203	H2	2522	D1	3247	B4	3440	B4	3618	B2	6262	E3	7380	E3	9216	G2		
2205	G2	2523	C1	3248	B4	3441	B3	3619	F1	6266	F2	7381	E3	9217	G2		
2210	F4	2524	D1	3249	F3	3442	B3	3620	F1	6272	G2	7384	E3	9218	H1		
2211	F4	2525	E2	3250	F3	3444	B2	3621	E1	6280	C4	7385	E3	9219	E3		
2214	G4	2528	D3	3251	F3	3445	B2	3622	E1	6302	H5	7400	B3	9220	G4		
2215	G4	2529	F1	3252	F3	3446	B2	3623	E1	6303	H5	7401	B4	9221	G3		

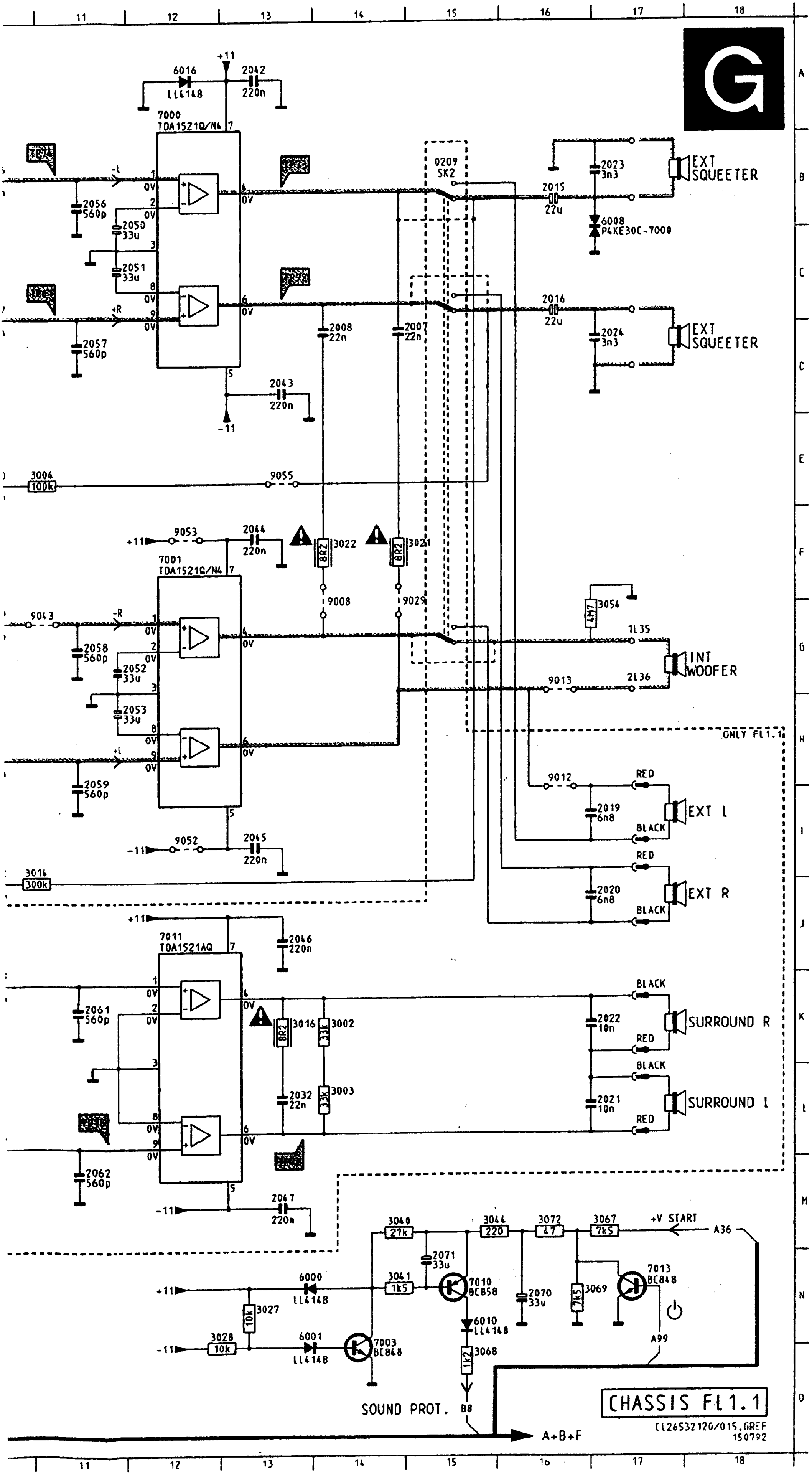
Audio amplification / Tonsignal Verstärker /



Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son

G
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
F87
3L01
L
3050
10k
F88
5L01
R
F89
7L01
VAR OUT
3034
4k7
A4
3036
1k5
2073
15u
2038
2n2
3037
1k5
7012
BC848
3033
15k
7007
BC848
3032
1k
6012
LL4148
3030
12k
7006
BC848C
+5
6021
LL4148
2072
100u
H90
6L01
3035
15k
7008
BC848
3031
1k
6011
LL4148
3029
12k
7005
BC848C
2001
4n7
+11
7009
LM833N
3051
20k
2003
22p
3000
9k1
2065
680n
3065
180k
3001
9k1
2066
680n
3052
4k7
2009
22p
2002
4n7
-11
3053
4k7
3066
180k
2026
220n
2056
560p
2050
33u
2051
33u
2027
220n
2057
560p
-L
+R
0V
2013
220n
7002
LM833N
3009
200k
2031
22p
3004
100k
3011
20k
4004
2040
220n
9043
-R
2058
560p
2052
33u
2053
33u
3043
20k
3005
100k
3012
20k
2041
220n
+L
2059
560p
2012
220n
3006
200k
2030
22p
2040
220n
3004
100k
+11
-11
2011
680p
3014
300k
700
TDA
701
TDA
4007
3060
20k
2028
220n
2061
560p
2029
220n
2062
560p
+11
-11
+13
A3
A2
A6

Amplificateur audio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17
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A
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C
D
E
F
G
H
I
J
K
L
M
N
O
G
+11
6016
LL4148
2042
220n
7000
TDA1521Q/N4
-L
+R
0V
2056
560p
2050
33u
2051
33u
2057
560p
2043
220n
-11
0209
SK2
2015
22u
2016
22u
2023
3n3
2024
3n3
6008
P4KE30C-7000
EXT
SQUEETER
2008
22n
2007
22n
3004
100k
9055
9053
2044
220n
3022
8R2
3021
8R2
9008
9029
7001
TDA1521Q/N4
9043
-R
+L
2058
560p
2052
33u
2053
33u
2059
560p
3054
4M7
1L35
2L36
9013
INT
WOOFER
ONLY FL1.1
9012
RED
BLACK
2019
6n8
EXT L
2020
6n8
EXT R
9052
2045
220n
3014
300k
7011
TDA1521AQ
2046
220n
2061
560p
3016
3002
33k
3003
33k
2032
22n
2022
10n
2021
10n
SURROUND R
SURROUND L
2062
560p
2047
220n
3040
27k
3044
220
3072
47
3067
7k5
+V START
A36
2071
33u
3041
1k5
7010
BC858
2070
33u
3069
7k5
7013
BC848
6000
LL4148
3027
10k
3028
10k
6001
LL4148
7003
BC848
6010
LL4148
3068
1k2
A99
SOUND PROT.
B8
A+B+F
CHASSIS FL1.1
CL26532120/015.GREF
150792

0209	B15	9008	F14
2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	D14	9043	G11
2008	D14	9043	H 9
2009	D 5	9052	I12
2011	I10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
2056	B11		
2057	D11		
2058	G11		
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
3028	N13		
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3030	G 5		
3031	H 4		
3032	G 4		
3033	G 4		
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3035	H 3		
3036	G 2		
3037	G 3		
3040	M14		
3041	N14		
3043	H 6		
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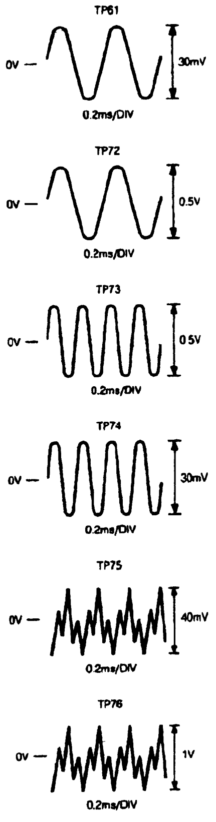
3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	N16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	O14		
7005	H 5		
7006	G 5		
7007	G 4		
7008	H 4		
7009	A 3		
7010	N15		
7011	J12		
7012	G 3		
7013	N17		



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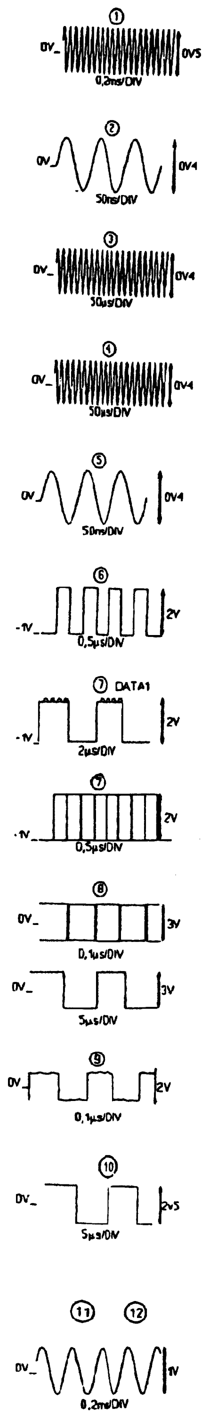
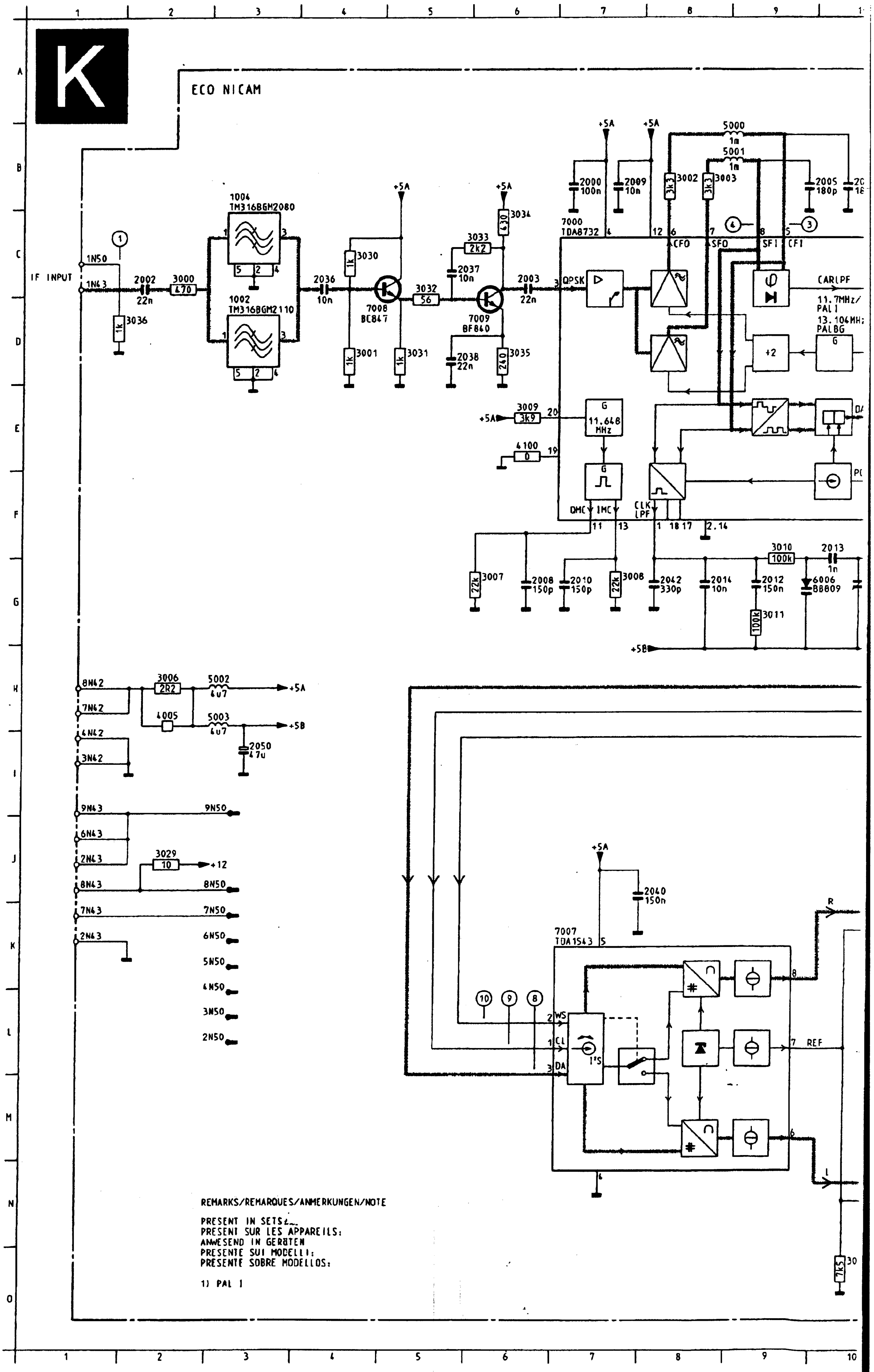
T-26/113

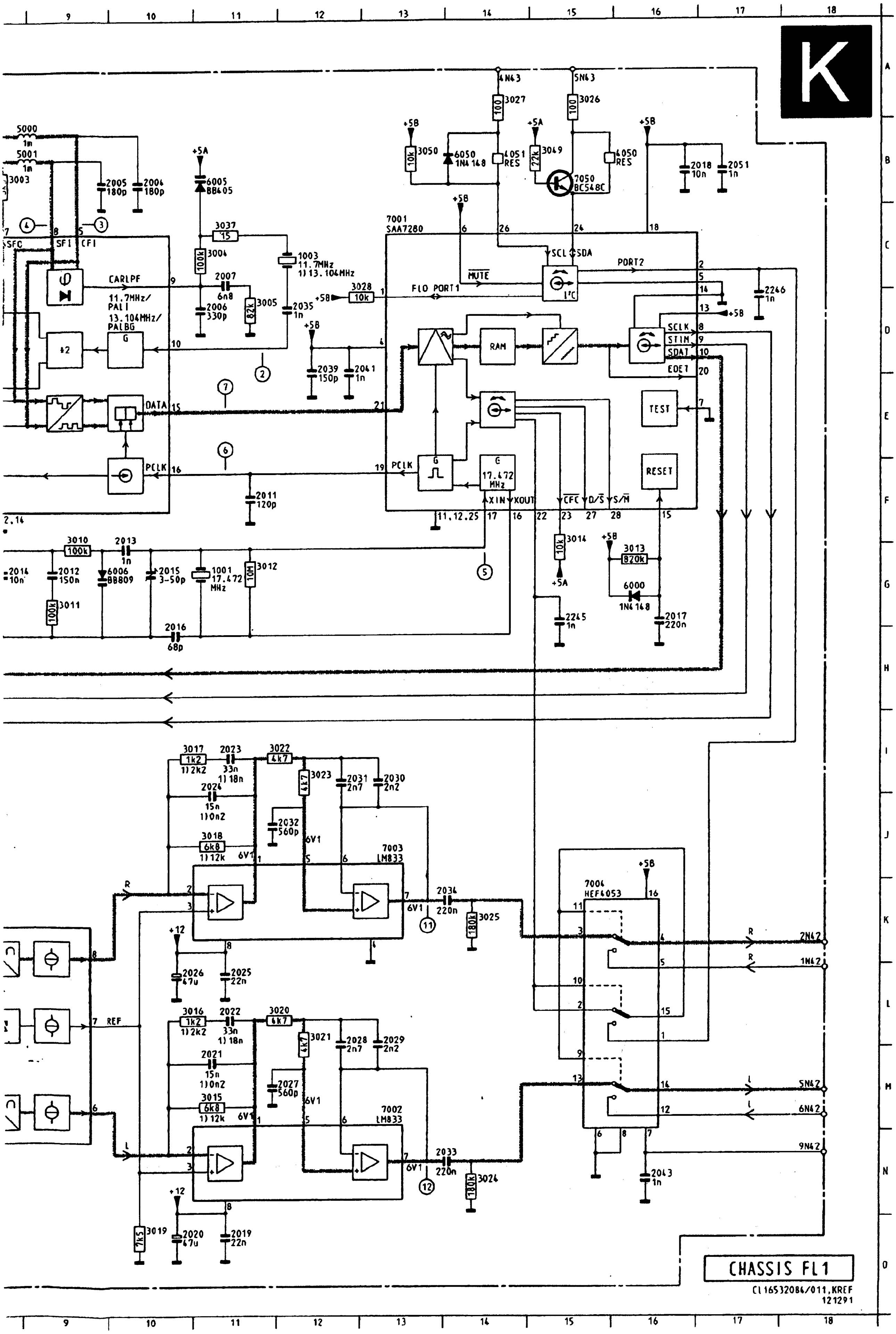



K
ECO NICAM
IF INPUT
1N50
1N43
①
2002
22n
3000
470
3036
1k
1004
TM316BGM2080
1002
TM316BGM2110
+5A
2036
10n
3030
1k
7008
BC847
3001
1k
3031
1k
3032
56
3033
2k2
2037
10n
3034
430
7009
BF840
2038
22n
3035
240
2003
22n
2000
100n
2009
10n
3002
3k3
3003
3k3
5000
1n
5001
1n
2005
180p
7000
TDA8732
QPSK
CFO
SFO
SFI
CFI
④
③
CARLPF
11.7MHz/
PAL I
13.104MHz:
PALBG
G
:2
3009
3k9
11.648
MHz
4100
0
DMC
IMC
CLK
LPF
3007
22k
2008
150p
2010
150p
3008
22k
2042
330p
2014
10n
3010
100k
2012
150n
3011
100k
2013
1n
6006
BB809
+5B
8N42
7N42
4N42
3N42
3006
2R2
4005
5002
4u7
5003
4u7
2050
47u
+5A
+5B
9N43
6N43
2N43
8N43
7N43
2N43
9N50
3029
10
+12
8N50
7N50
6N50
5N50
4N50
3N50
2N50
2040
150n
7007
TDA1543
⑩
⑨
⑧
WS
CL
DA
I²S
R
REF
L
7k5
30
1
2
3
4
5
6
7
8
9
10
11
12
13
17
18
19
20
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS1)
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL I


K
9
10
11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
4N43
5N43
3027
100
3026
100
+5B
3050
10k
6050
1N4148
4051
RES
+5A
3049
22k
7050
BC548C
4050
RES
2018
10n
2051
1n
5000
1m
5001
1m
3003
2005
180p
2004
180p
6005
BB405
3037
15
1003
11.7MHz
1) 13.104MHz
3004
100k
2007
6n8
2006
330p
3005
82k
2035
1n
SFC
SF1
CF1
CARLPF
11.7MHz/
PAL I
13.104MHz/
PALBG
G
÷2
DATA
PCLK
+5B
3028
10k
FLO PORT1
2039
150p
2041
1n
7001
SAA7280
MUTE
SCL
SDA
PORT2
I²C
2246
1n
RAM
SCLK
STIN
SDAT
EDET
TEST
RESET
G
17.472
MHz
XIN
XOUT
CFC
D/S̄
S/M̄
11,12,25
2011
120p
2,14
3010
100k
2013
1n
2014
10n
2012
150n
6006
BB809
2015
3-50p
1001
17.472
MHz
3012
10M
3011
100k
2016
68p
3014
10k
+5A
3013
820k
6000
1N4148
2017
220n
2245
1n
3017
1k2
1) 2k2
2023
33n
1) 18n
3022
4k7
3023
4k7
2031
2n7
2030
2n2
2024
15n
1) 0n2
2032
560p
3018
6k8
1) 12k
6V1
7003
LM833
R
2034
220n
3025
180k
+12
2026
47u
2025
22n
REF
3016
1k2
1) 2k2
2022
33n
1) 18n
3020
4k7
3021
4k7
2028
2n7
2029
2n2
2021
15n
1) 0n2
2027
560p
3015
6k8
1) 12k
7002
LM833
L
2033
220n
3024
180k
3019
7k5
2020
47u
2019
22n
7004
HEF4053
2N42
1N42
5N42
6N42
9N42
2043
1n
CHASSIS FL1
CL16532084/011.KREF
121291

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	1003	C12
	1004	B 3
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	2002	C 2
	2003	C 6
	2004	B10
	2005	B 9
	2006	D11
	2007	C11
	2008	G 6
B	2009	B 7
	2010	G 7
	2011	F11
	2012	G 9
	2013	F10
	2014	G 8
	2015	G10
	2016	G10
C	2017	G16
	2018	B16
	2019	O11
	2020	O10
	2021	M11
	2022	L11
	2023	I11
D	2024	I11
	2025	L11
	2026	L10
	2027	M12
	2028	L12
	2029	L13
	2030	I13
	2031	I12
E	2032	J12
	2033	N14
	2034	K14
	2035	D12
	2036	C 4
	2037	C 5
	2038	D 5
F	2039	D12
	2040	J 8
	2041	D12
	2042	G 8
	2043	N16
	2050	I 3
	2051	B17
	2245	G15
G	2246	D17
	3000	C 2
	3001	D 4
	3002	B 8
	3003	B 8
	3004	C11
	3005	D11
H	3006	H 2
	3007	G 6
	3008	G 7
	3009	E 6
	3010	F 9
	3011	G 9
	3012	G11
	3013	G16
I	3014	F15
	3015	M11
	3016	L10
	3017	I10
	3018	J11
	3019	O10
	3020	L12
J	3021	L12
	3022	I12
	3023	I12
	3024	N14
	3025	K14
	3026	A15
	3027	A14
	3028	C13
K	3029	J 2
	3030	C 4
	3031	D 5
	3032	C 5
	3033	C 6
	3034	C 6
	3035	D 6
	3036	D 1
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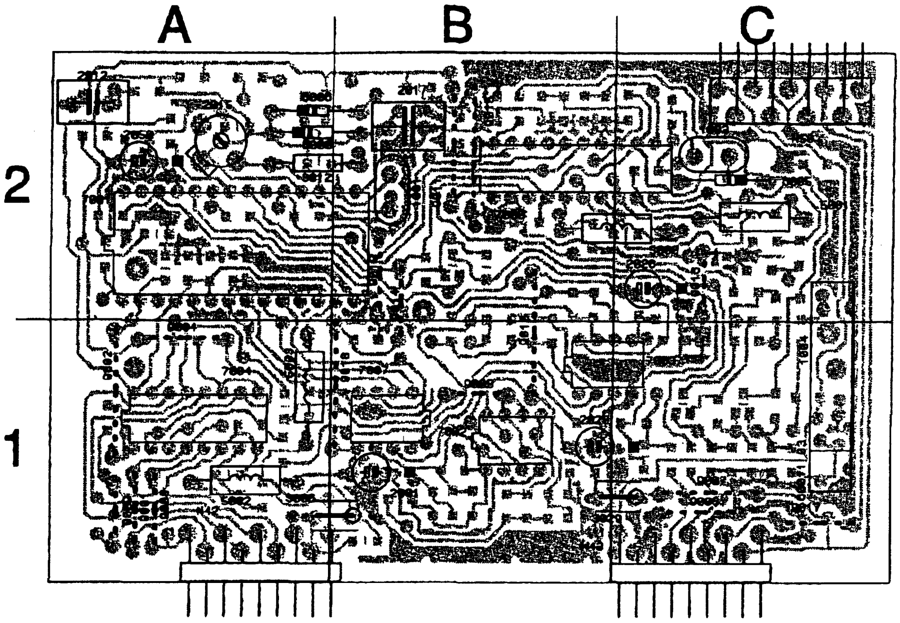
	4051	B14
	4100	E 6
M	5000	B 9
	5001	B 9
	5002	H 3
	5003	H 3
	6000	G16
	6005	B11
	6006	G 9
	6050	B14
N	7000	C 7
	7001	C13
	7002	M13
	7003	J13
	7004	K15
	7007	K 7
	7008	D 5
	7009	D 6
O	7050	B15



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N60	C2
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1003	C2
1004	C1
2000	B2
2001	B1
2002	C1
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2015	A2
2016	A2
2017	B2
2018	A2
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2022	B1
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2028	B1
2029	B1
2030	B2
2031	B2
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2034	A1
2035	C2
2036	C1
2037	C1
2038	C1
2039	A2
2040	B1
2041	A2
2042	B2
2043	A1
2044	A1
2050	A2
2051	A2
2245	A2
2248	A2
3000	C1
3001	C1
3002	C2
3003	C2
3004	C2
3005	C2
3006	B1
3007	B2
3008	B2
3009	B2
3009	B2
3010	A2
3011	A2
3012	A2
3013	A2
3014	A2
3015	B1
3016	B1
3017	B1
3018	B1
3019	B1
3020	B1
3021	B1
3022	B1
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3025	A1
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3027	C1
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3031	C1
3032	C1
3033	C1
3034	C2
3035	C1
3036	C2
3037	C2
3049	B2
3050	A2
3099	A2
4002	A1
4003	B2
4005	B1
4050	B2
4051	C1
4052	A2
4053	A2
4054	A2
4055	A1
4100	B2
4100	B2
5000	C2
5001	C2
5002	A1
5003	A1
6000	A2
6001	C1
6005	C2
6006	A2
6050	C1
7000	B2
7001	A2
7002	B1
7003	B1
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7007	B1
7008	C1
7008	C1
7050	B2
9001	A1
9002	A1
9004	A1
9005	B1
9006	C1
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9008	A1
9009	A1
9010	B1
9011	B2
9014	B2
9015	B2
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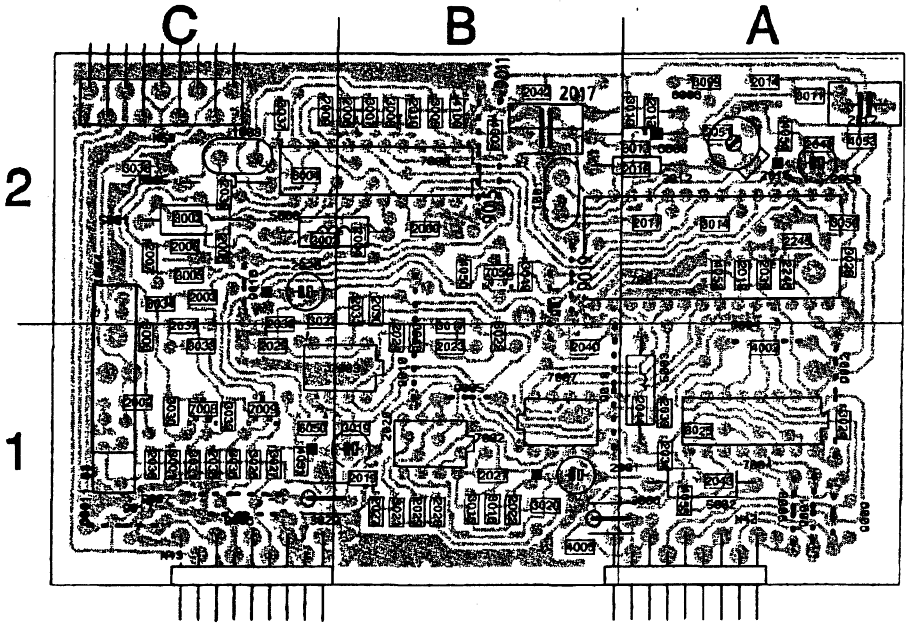
9017	C1
9018	B1
9019	B2

NICAM



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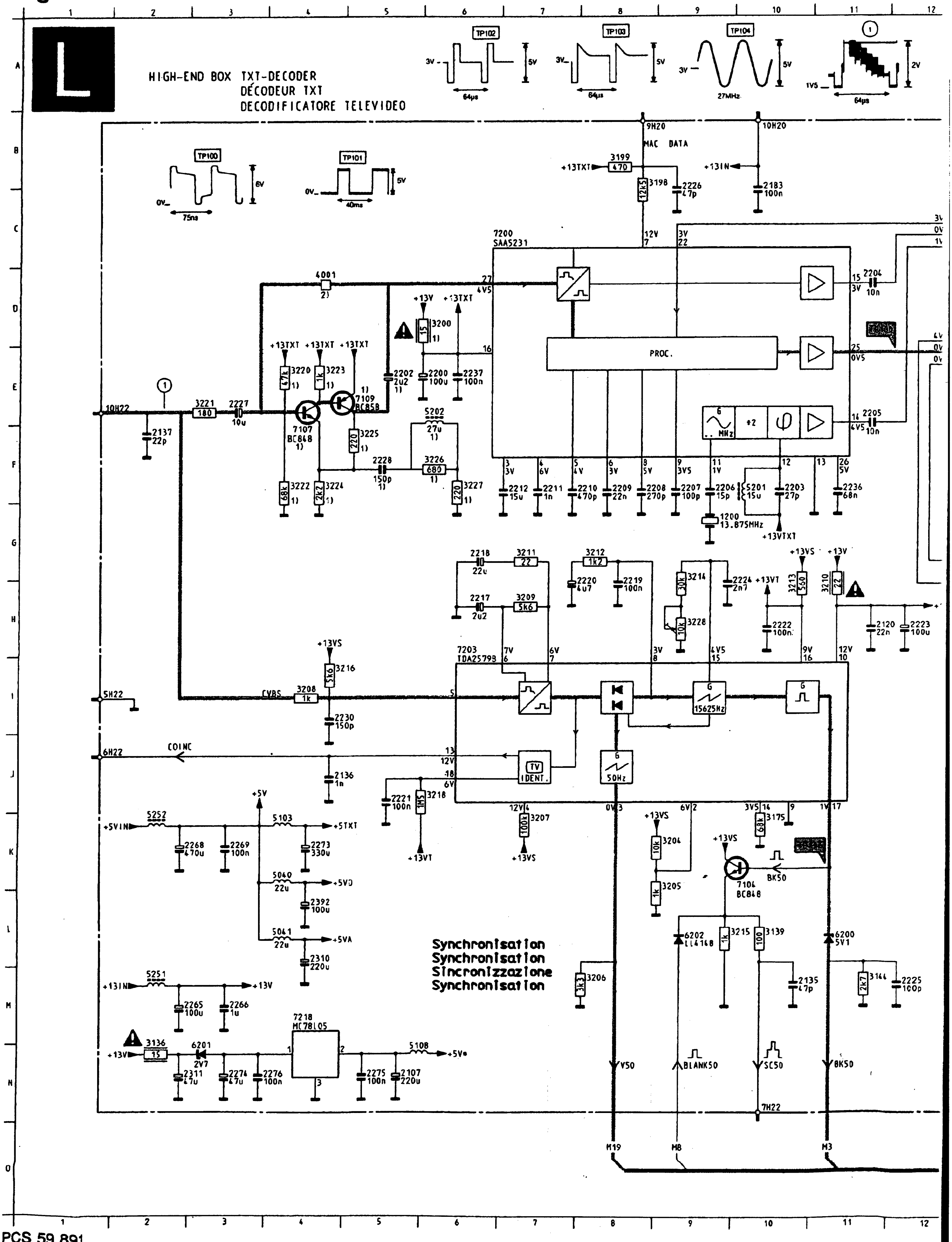
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	*2018 A2*	*2034 A1*	*3001 C1*	*3016 B1*	*3032 C1*	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

High-end box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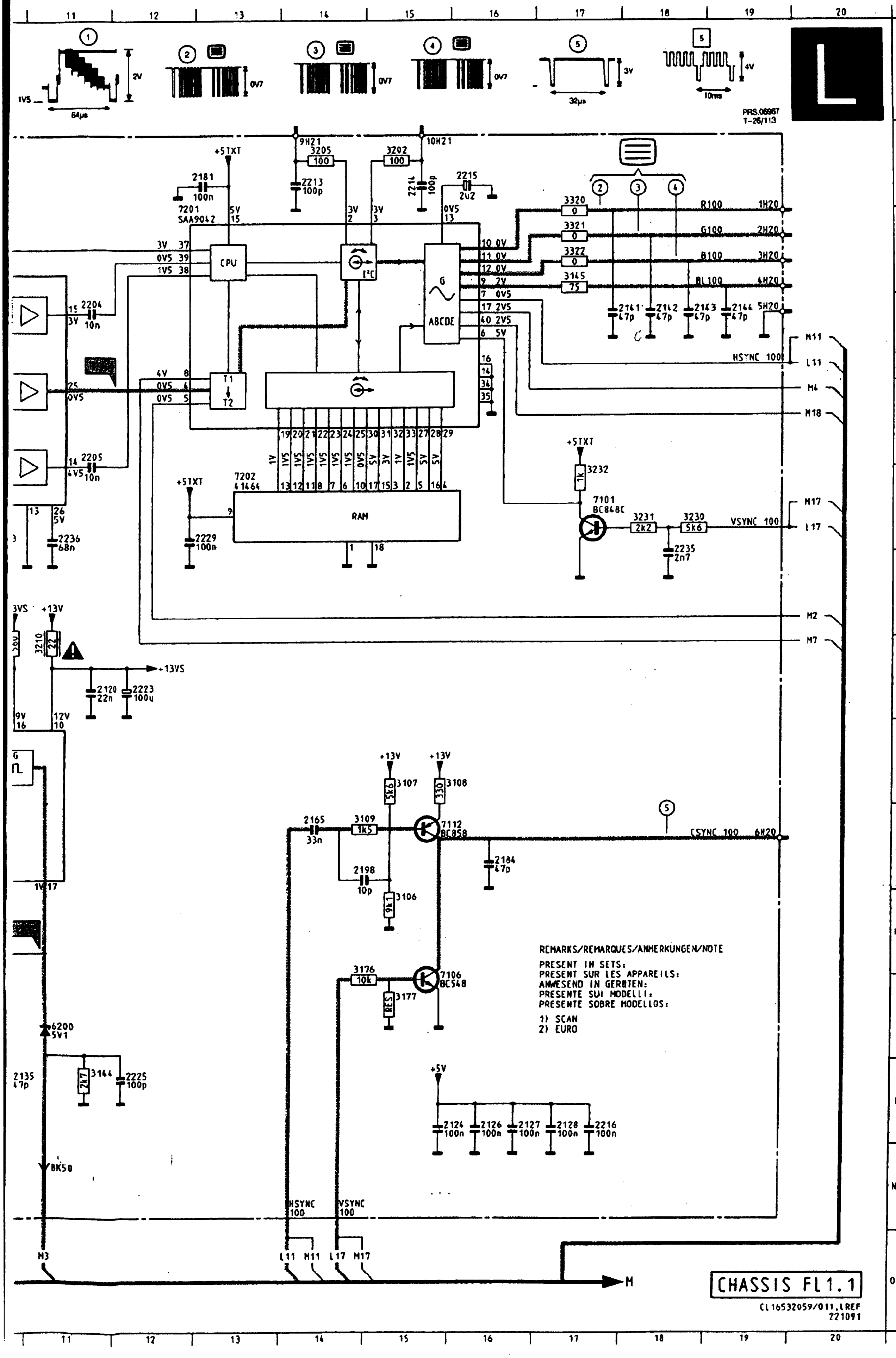
HIGH-END BOX TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO
TP100
TP101
TP102
TP103
TP104
①
75ns
40ms
64µs
27MHz
6V
5V
2V
3V
0V
1V5
9H20
10H20
MAC DATA
+13TXT
+13IN
3199 470
3198 12k5
2226 47p
2183 100n
7200 SAA5231
PROC.
4001
+13V
+13TXT
3200 15
2200 100u
2237 100n
2202 2u2
3220 47k
3223 1k
7109 BC858
7107 BC848
3225 220
5202 27u
2228 150p
3226 680
3227 220
3222 68k
3224 2k2
10H22
3221 180
2227 10u
2137 22p
2204 10n
2205 10n
2212 15u
2211 1n
2210 470p
2209 22n
2208 270p
2207 100p
2206 15p
5201 15u
2203 27p
2236 68n
1200 13.875MHz
+13VTXT
2218 22u
3211 22
2217 2u2
3209 5k6
3212 1k2
2220 4u7
2219 100n
3214 30k
3228 10k
2224 2n7
+13VT
2222 100n
+13VS
3213 560
3210 22
2120 22n
2223 100u
7203 TDA2579B
15625Hz
50Hz
TV IDENT.
+13VS
3216 5k6
5H22
CVBS
3208 1k
2230 150p
6H22
COINC
2136 1n
2221 100n
3218 1M5
+13VT
3207 100k
+13VS
3204 10k
3205 1k
3175 68k
7104 BC848
BK50
+5V
5252
+5VIN
2268 470u
2269 100n
5103
+5TXT
2273 330u
5040 22u
+5VD
2392 100u
5041 22u
+5VA
2310 220u
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
5251
+13IN
+13V
2265 100u
2266 1u
7218 MC78L05
3136 15
+13V
6201 2V7
2311 47u
2274 47u
2276 100n
5108
+5V
2275 100n
2107 220u
6202 LL4148
3215 1k
3139 100
6200 5V1
3206 3k3
2135 47p
3144 2k7
2225 100p
V50
BLANK50
SC50
BK50
7H22
M19
M8
M3

PCS 59 891


11
12
13
14
15
16
17
18
19
20
①
1V5
64µs
2V
② 0V7
③ 0V7
④ 0V7
⑤ 3V
32µs
5 4V
10ms
PRS.06967
T-26/113
L
9H21
10H21
+5TXT
3205 100
3202 100
2181 100n
2213 100p
2214 100p
2215 2u2
7201 SAA9042
5V 15
3V 2
3V 3
0V5 13
3V 37
0V5 39
1V5 38
CPU
I²C
G
ABCDE
10 0V
11 0V
12 0V
9 2V
7 0V5
17 2V5
40 2V5
6 5V
② ③ ④
3320 0
3321 0
3322 0
3145 75
R100 1H20
G100 2H20
B100 3H20
BL100 4H20
5H20
2141 47p
2142 47p
2143 47p
2144 47p
HSYNC 100
M11
L11
M4
M18
15 2204 3V 10n
25 0V5
14 2205 4V5 10n
4V 8
0V5 6
0V5 5
T1
T2
16
14
34
35
19 20 21 22 23 24 25 30 31 32 33 27 28 29
1V 1V5 1V5 1V5 1V5 1V5 0V5 5V 3V 1V 1V5 5V 5V
13 12 11 8 7 6 10 17 15 3 2 5 16 4
7202 41464
RAM
+5TXT
9
2229 100n
1
18
13
26 5V
2236 68n
+5TXT
3232 1k
7101 BC848C
3231 2k2
3230 5k6
VSYNC 100
2235 2n7
M17
L17
M2
M7
3VS +13V
3210 22
30V
2120 22n
2223 100u
+13VS
9V 16
12V 10
1V 17
+13V
+13V
3107 5k6
3108 330
2165 33n
3109 1k5
7112 BC858
2198 10p
3106 9k1
⑤
CSYNC 100 6H20
2184 47p
3176 10k
7106 BC548
3177 RES
+5V
2124 100n
2126 100n
2127 100n
2128 100n
2216 100n
6200 5V1
2135 47p
3144 2k7
2225 100p
BK50
HSYNC 100
VSYNC 100
M3
L11 M11 L17 M17
M
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) SCAN
2) EURO

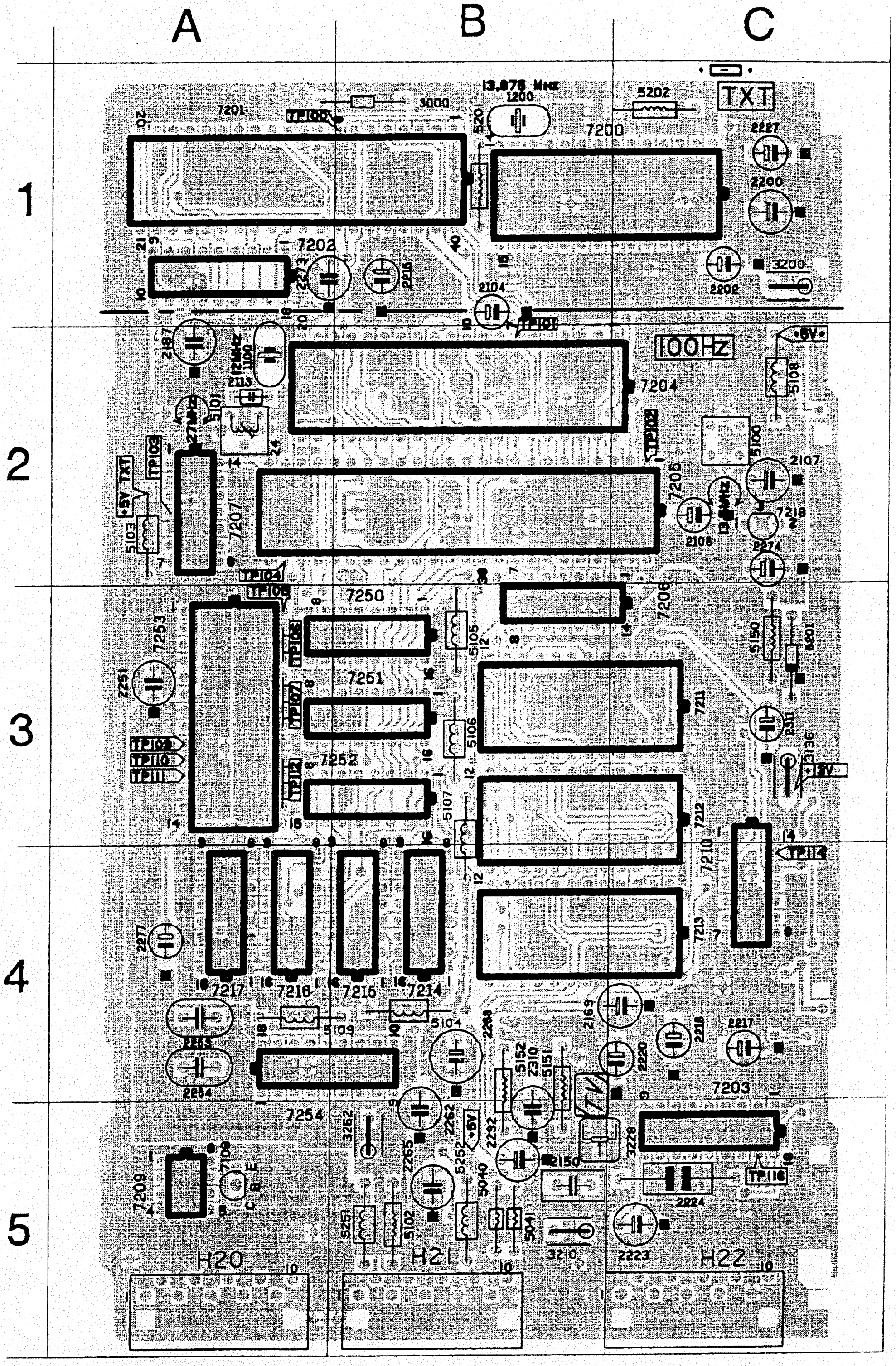
CHASSIS FL1.1

CL 16532059/011.LREF
221091

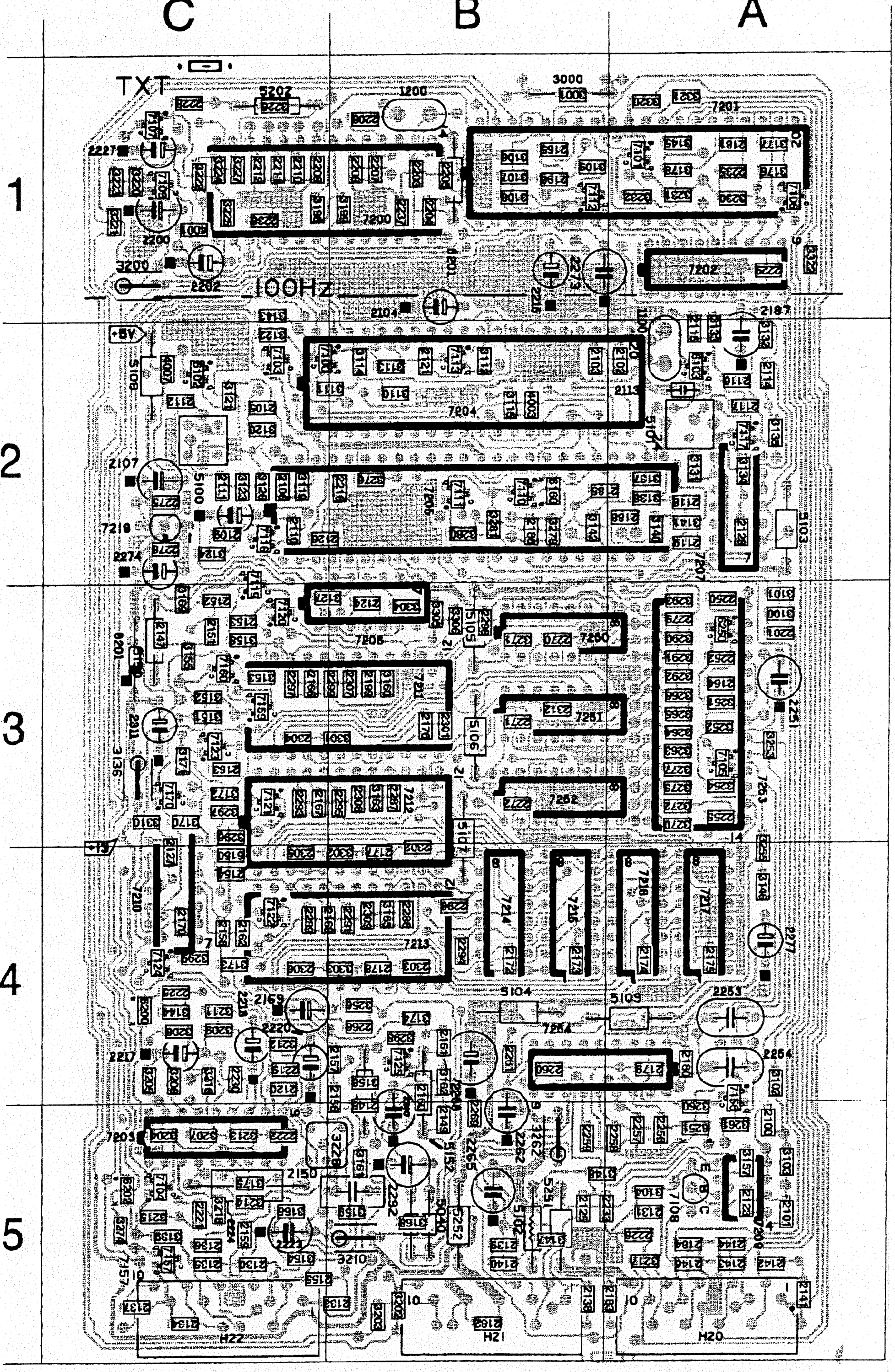
1200	G 9	6200	L11
2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	D18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	I 4		
2235	G18		
2236	F11		
2237	E 6		
2265	M 2		
2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
3205	B14		
3205	K 9		
3206	M 8		
3207	K 7		
3208	I 4		
3209	H 7		
3210	H11		
3211	G 7		
3212	G 8		
3213	H10		
3214	G 9		
3215	L 9		
3216	I 4		
3218	J 6		
3220	E 4		
3221	E 3		
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
3320	B17		
3321	C17		
3322	C17		
4001	D 4		
5040	K 4		
5041	L 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	M 2		
5252	K 2		

High-end box

1200	B1
2104	B1
2107	C2
2108	C2
2113	A2
2150	C5
2169	C4
2187	A2
2200	C1
2202	C1
2215	B1
2217	C4
2218	C4
2220	C4
2223	C5
2224	C5
2227	C1
2251	A3
2253	A4
2254	A4
2262	B5
2265	B5
2268	B4
2273	B1
2274	C2
2277	A4
2292	B5
2310	B5
2311	C3
3000	B1
3136	C3
3200	C1
3210	B5
3228	C5
3262	B5
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6201	C3
7108	A5
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4
H20	A5
H21	B5
H22	C5


A
B
C
1
2
3
4
5
13,875 MHz
1200
3000
5202
TXT
7201
7200
2227
2200
2202
3200
7202
2104
TP100
TP101
100Hz
+5V
5108
2187
7204
TP102
TP103
+5V TXT
5103
7207
7205
5100
2107
2108
7218
2274
TP104
TP105
7250
7206
7253
2251
TP106
5105
5150
7251
TP107
7211
2311
3136
TP109
TP110
TP111
7252
TP112
5106
5107
7212
7210
TP114
7213
2277
7217
7216
7215
7214
5109
5104
2268
2169
2218
2217
2253
2254
7203
7254
3262
2262
+5V
2292
5152
2310
5151
2220
3228
2265
2150
2224
TP116
7209
7108
C B E
5251
5102
5252
5040
5041
3210
2223
H20
H21
H22
10

High-end box



H20	A5
H21	B5
H22	C5
1200	B1
2100	A5
2101	A5
2102	B2
2103	B2
2104	B1
2105	C2
2106	C2
2107	C2
2108	C2
2109	C2
2110	C2
2111	C2
2112	C2
2113	A2
2114	A2
2115	A2
2116	A2
2117	A2
2118	A2
2119	A2
2120	C4
2121	B2
2123	A5
2124	B3
2125	B5
2126	C2
2127	C3
2128	A2
2130	C5
2131	A5
2133	C5
2134	C5
2135	C5
2136	C5
2137	C5
2138	B5
2139	B5
2140	B5
2141	A5
2142	A5
2143	A5
2144	A5
2146	A5
2147	C3
2148	B4
2149	B5
2150	C5
2151	C3
2152	C3
2153	C3
2154	C4
2155	C5
2156	C4
2157	C4
2158	C4
2159	C5
2160	B4
2161	B4
2162	C4
2163	C3
2164	A3
2165	B1
2166	C3
2167	C3
2168	C4
2169	C4
2170	C4
2172	B4
2173	B4
2174	A4
2175	A4
2176	B3
2177	B4
2178	B4
2179	A4
2180	A4
2181	A1
2182	B5
2183	B5
2184	A5
2185	B2
2186	B2
2187	A2
2188	B2
2198	B1
2199	B3
2200	C1
2201	A3
2202	C1
2203	B1
2204	B1
2205	B1
2206	B1
2207	B1
2208	C1
2209	C1
2210	C1
2211	C1
2212	C1
2215	B1
2216	C2
2217	C4
2218	C4
2219	C4
2220	C4
2221	C5
2222	C5
2223	C5
2224	C5
2225	C4
2226	A5
2227	C1
2228	C1
2229	A1
2230	C4
2233	B5
2235	A1
2236	C1
2237	B1
2250	A3
2251	A3
2252	A3
2253	A4
2254	A4
2255	A3
2256	A5
2257	A5
2258	B5
2259	B5
2260	B4
2261	B4
2262	B5
2265	B5
2266	B4
2268	B4
2269	B5
2270	B3
2271	B3
2272	B3
2273	B1
2274	C2
2275	C2
2276	C2
2277	A4
2279	A3
2286	B4
2287	B3
2289	C4
2291	C4
2292	B5
2293	C3
2294	B4
2295	C3
2296	B4
2297	C3
2298	B3
2299	C3
2301	B3
2302	B3
2303	B4
2304	C3
2305	C4
2306	C4
2307	C3
2308	B3
2309	B4
2310	B5
2311	C3
2312	B3
3000	B1
3001	B1
3100	A3
3101	A3
3102	A4
3103	A5
3104	A5
3106	B1
3107	B1
3108	B1
3109	B1
3110	B2
3111	C2
3112	B2
3113	B2
3114	B2
3115	B2
3119	C2
3120	C2
3121	C2
3122	C2
3123	C2
3124	C2
3126	C2
3127	C3
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3132	A2
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3141	A2
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3144	C4
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3146	A4
3147	B5
3148	B5
3151	C3
3152	C3
3153	C3
3155	C3
3156	B4
3157	A5
3158	C3
3159	C5
3160	B3
3161	B5
3162	B4
3163	B3
3164	C5
3165	B4
3166	C5
3168	B5
3169	C3
3170	C3
3171	C3
3172	C3
3173	C4
3174	B4
3175	C5
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3178	A1
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3199	C1
3200	C1
3202	B5
3203	B5
3204	C5
3205	C4
3206	C4
3207	C5
3208	C4
3209	C4
3210	B5
3211	C4
3212	C4
3213	C5
3214	C5
3215	C5
3216	C4
3217	A5
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3221	C1
3222	C1
3223	C1
3224	C1
3225	C1
3226	C1
3227	C1
3228	C5
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3231	A1
3232	B1
3251	A3
3252	A3
3253	A3
3254	A3
3255	A3
3256	B4
3260	A4
3261	A5
3262	B5
3263	A3
3264	A3
3265	A3
3266	A3
3270	A3
3271	B3
3272	A3
3273	A3
3274	C5
3276	B2
3277	A3
3279	B2
3280	B2
3281	B2
3290	A3
3291	A3
3292	A3
3293	A3
3296	C3
3297	C3
3298	B4
3299	C4
3301	C3
3302	C4
3303	C4
3304	B3
3305	B3
3306	B3
3310	C3
3320	A1
3321	A1
3322	A1
4001	C1
4003	B2
4007	C2
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
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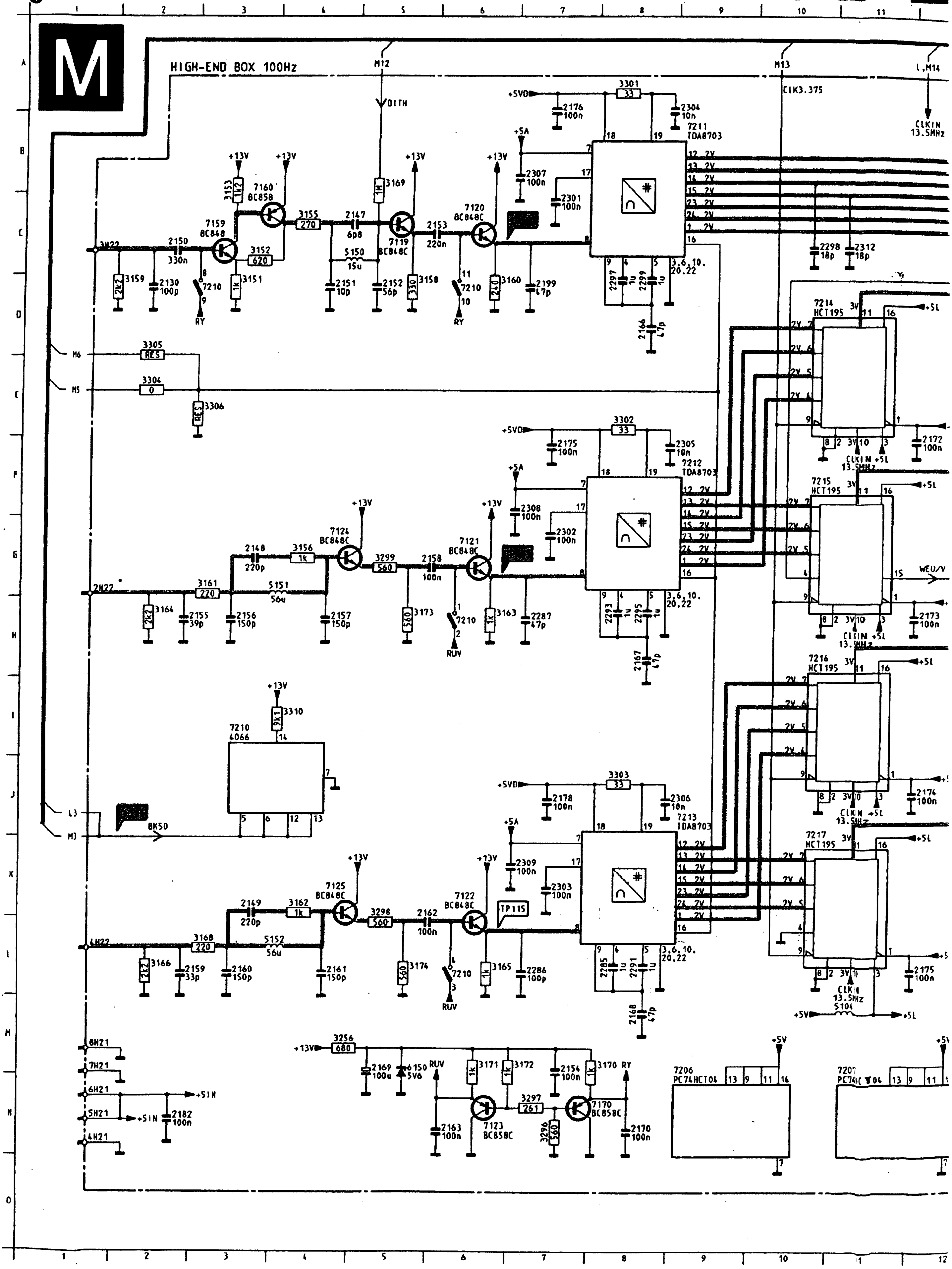
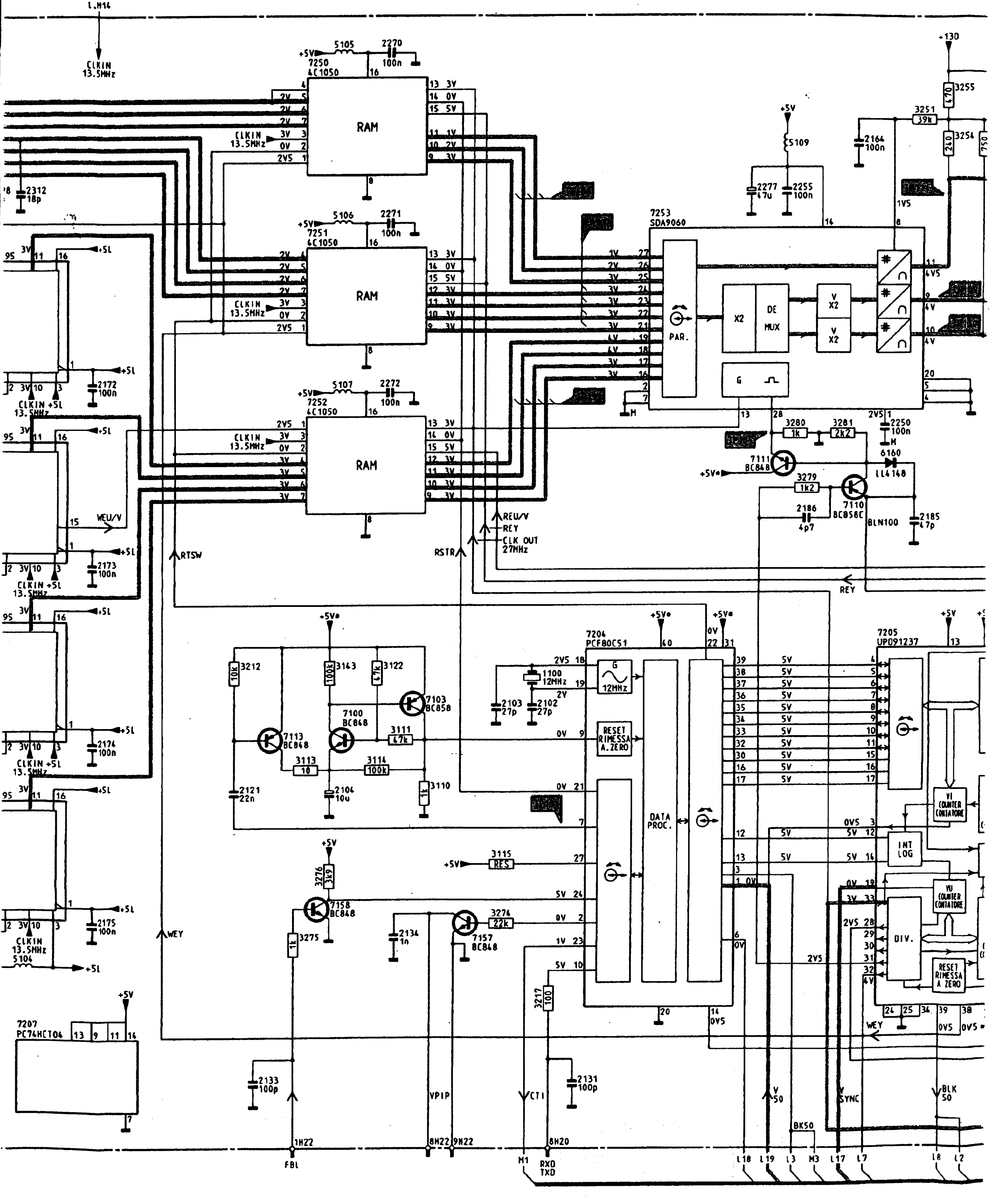
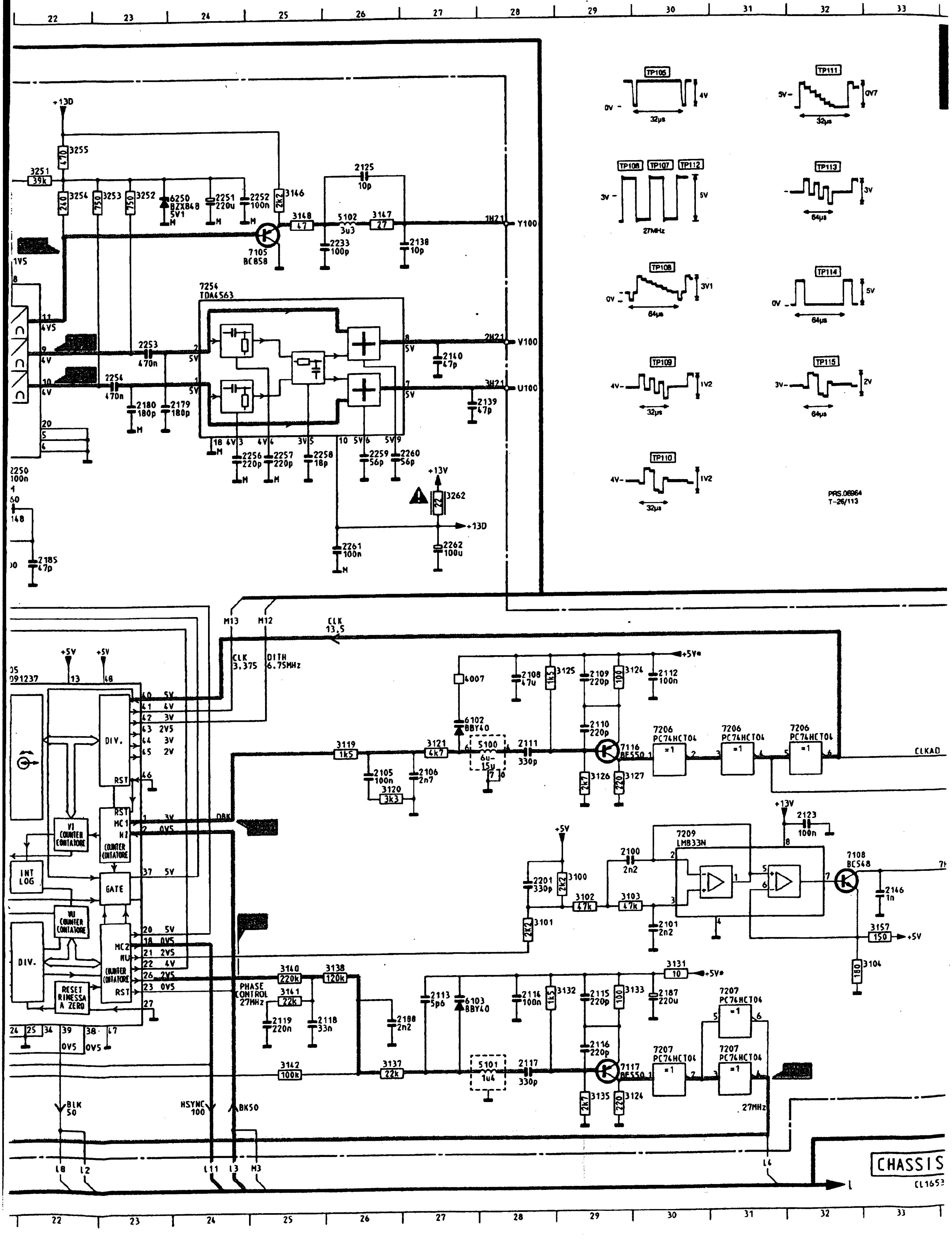
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6102	C2
6103	A2
6150	C4
6160	B2
6200	C4
6201	C3
6202	C5
6250	A3
6251	A5
7100	C2
7101	B1
7103	C2
7104	C5
7105	A3
7106	A1
7107	C1
7108	A5
7109	C1
7110	B2
7111	B2
7112	B1
7113	B2
7116	C2
7117	A2
7119	C2
7120	C3
7121	C3
7122	C4
7123	C3
7124	C4
7125	B4
7156	A4
7157	C5
7159	C3
7160	C3
7170	C3
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4

PCS 59 893

High-end box


M
HIGH-END BOX 100Hz
M12
M13
M14
DITH
CLK3.375
CLKIN 13.5MHz
+5VD
3301 33
2176 100n
2304 10n
7211 TDA8703
+5A
2307 100n
2301 100n
+13V
3153 1K2
7160 BC858
7159 BC848
3155 270
2147 6p8
1M 3169
7119 BC848C
2153 220n
7120 BC848C
3H22
2150 330n
3152 620
5150 15u
3159 2k2
2130 100p
7210
RY
3151 1k
2151 10p
2152 56p
3158 330
3160 240
2199 47p
2297 1u
2299 1u
2166 47p
2298 18p
2312 18p
7214 HCT195
+5L
M6
3305 RES
M5
3304 0
3306 RES
3302 33
2175 100n
2305 10n
7212 TDA8703
2172 100n
2308 100n
2302 100n
7215 HCT195
7124 BC848C
7121 BC848C
2148 220p
3156 1k
3299 560
2158 100n
2H22
3161 220
5151 56u
3164 2k2
2155 39p
2156 150p
2157 150p
3173 560
RUV
3163 1k
2287 47p
2293 1u
2295 1u
2167 47p
WEU/V
2173 100n
7216 HCT195
3310 9k1
7210 4066
L3
M3
BK50
3303 33
2178 100n
2306 10n
7213 TDA8703
2174 100n
2309 100n
2303 100n
7217 HCT195
7125 BC848C
7122 BC848C
TP115
2149 220p
3162 1k
3298 560
2162 100n
4H22
3168 220
5152 56u
3166 2k2
2159 33p
2160 150p
2161 150p
3174 560
3165 1k
2286 100p
2285 1u
2291 1u
2168 47p
2175 100n
5104
+5V
+5L
8H21
7H21
6H21
5H21
4H21
+5IN
2182 100n
3256 680
2169 100u
6150 5V6
3171 1k
3172 1k
2154 100n
3170 1k
7123 BC858C
3297 261
7170 BC858C
3296 560
2163 100n
2170 100n
7206 PC74HCT04
7207 PC74HCT04
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11 12


CLKIN 13.5MHz
L.H14
7250 4C1050 RAM
7251 4C1050 RAM
7252 4C1050 RAM
5105
5106
5107
2270 100n
2271 100n
2272 100n
2312 18p
2172 100n
2173 100n
2174 100n
2175 100n
5104
+5L
WEU/V
RTSW
RSTR
REU/V
REY
CLK OUT 27MHz
7253 SDA9060
PAR.
X2
DE MUX
V X2
5109
2277 47u
2255 100n
2164 100n
3251 39k
3255 470
3254 240
+130
1V5
4V5
4V
2250 100n
6160 LL4148
3280 1k
3281 2k2
3279 1k2
7111 BC848
7110 BC858C
2186 4p7
2185 47p
BLN100
7204 PCF80C51
1100 12MHz
2103 27p
2102 27p
RESET RIMESSA A.ZERO
DATA PROC.
3212 10k
3143 100k
3122 47k
7103 BC858
7100 BC848
7113 BC848
3111 47k
3113 10
3114 100k
2121 22n
2104 10u
3110 1k
3115 RES
3276 3k9
7158 BC848
3275 1k
2134 1n
7157 BC848
3274 22k
3217 100
2133 100p
2131 100p
7205 UPD91237
VI COUNTER CONTATORE
INT LOG
VU COUNTER CONTATORE
DIV.
RESET RIMESSA A ZERO
7207 PC74HCT04
WEY
FBL
VPIP
CTI
RXD TXD
V 50
SYNC
BLK 50
BK50
1H22
8H22
9H22
8H20
M1
L18
L19
L3
M3
L17
L7
L8
L2
11 12 13 14 15 16 17 18 19 20 21 22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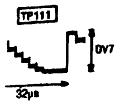
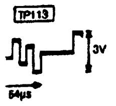
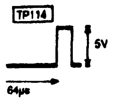
23
24
25
26
27
28
29
30
31
32
33
+13D
3255
470
3251
39k
3254
240
3253
750
3252
750
6250
BZX84B
5V1
2251
220u
2252
100n
3146
2k2
3148
47
5102
3u3
2125
10p
3147
27
1H21
Y100
2233
100p
2138
10p
7105
BC858
1V5
4V5
7254
TDA4563
2253
470n
2254
470n
2180
180p
2179
180p
2H21
V100
3H21
U100
2140
47p
2139
47p
2256
220p
2257
220p
2258
18p
2259
56p
2260
56p
+13V
3262
22
+13D
2261
100n
2262
100u
2250
100n
2185
47p
TP105
0V
4V
32μs
TP111
5V
0V7
TP106
TP107
TP112
3V
5V
27MHz
TP113
64μs
TP108
3V1
TP114
TP109
1V2
TP115
2V
TP110
PRS.06964
T-26/113
M13
M12
CLK
13,5
CLK
3,375
DITH
6.75MHz
+5V
+5V*
4007
2108
47u
3125
1k5
2109
220p
3124
100
2112
100n
6102
BBY40
2110
220p
3119
1k5
3121
4k7
5100
6u-
15u
2111
330p
7116
BF550
7206
PC74HCT04
CLKAO
2105
100n
2106
2n7
3120
3k3
3126
2k7
3127
220
091237
DIV.
RST
VI COUNTER CONTATORE
MC1
HI
COUNTER CONTATORE
INT LOG
GATE
VU COUNTER CONTATORE
MC2
HU
COUNTER CONTATORE
RESET RINESSA A ZERO
0V5
5V
4V
3V
2V5
2V
DBK
+13V
2123
100n
7209
LM833N
7108
BC548
2100
2n2
2201
330p
3100
2k2
3102
47k
3103
47k
2101
2n2
3101
2k2
2146
1n
3157
150
3104
180
3140
220k
3138
120k
PHASE CONTROL 27MHz
3141
22k
2119
220n
2118
33n
2188
2n2
2113
5p6
6103
BBY40
2114
100n
3132
1k5
2115
220p
3133
100
2187
220u
3131
10
2116
220p
3142
100k
3137
22k
5101
1u4
2117
330p
7117
BF550
7207
PC74HCT04
3135
2k7
3124
220
27MHz
BLK 50
HSYNC 100
BK50
L8
L2
L11
L3
M3
L4
CHASSIS
CL1653

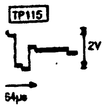
32 33 34

M

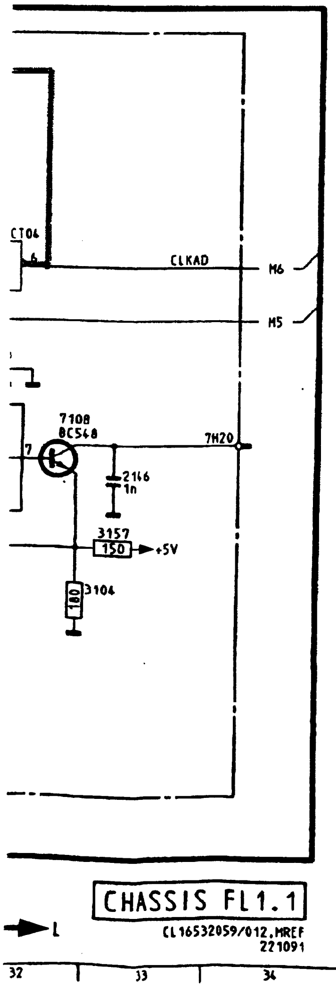








PRS.06964
T-26/113



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	2100	K29	3119	J26	7207	N31
	2101	L30	3120	J26	7209	K30
	2102	J17	3121	J27	7210	D 3
A	2103	J17	3122	I15	7210	D 6
	2104	K15	3124	I29	7210	H 6
	2105	J26	3124	N29	7210	L 6
	2106	J27	3125	I28	7210	I 3
	2108	I28	3126	J29	7211	B 9
	2109	I29	3127	J29	7212	F 9
	2110	I29	3131	M30	7213	J 9
	2111	J28	3132	M28	7214	D10
B	2112	I30	3133	M29	7215	F10
	2113	M27	3135	N29	7216	H10
	2114	M28	3137	N26	7217	K10
	2115	M29	3138	M26	7250	B14
	2116	N29	3140	M25	7251	D14
	2117	N28	3141	M25	7252	F14
	2118	M25	3142	N25	7253	D18
	2119	M25	3143	I15	7254	D24
C	2121	K13	3146	B25		
	2123	K32	3147	C26		
	2125	B26	3148	C25		
	2130	D 2	3151	D 3		
	2131	N18	3152	C 3		
	2133	N14	3153	B 3		
	2134	L15	3155	C 4		
D	2138	C27	3156	G 4		
	2139	E27	3157	L33		
	2140	E27	3158	D 5		
	2146	L33	3159	D 2		
	2147	C 4	3160	D 6		
	2148	G 3	3161	G 3		
	2149	K 3	3162	K 4		
	2150	C 2	3163	H 6		
E	2151	D 4	3164	H 2		
	2152	D 5	3165	L 6		
	2153	C 5	3166	L 2		
	2154	M 7	3168	L 3		
	2155	H 2	3169	B 5		
	2156	H 3	3170	M 8		
	2157	H 4	3171	M 6		
F	2158	G 5	3172	H 7		
	2159	L 2	3173	H 5		
	2160	L 3	3174	L 5		
	2161	L 4	3212	I13		
	2162	L 5	3217	M17		
	2164	C21	3251	B22		
	2166	D 8	3252	B23		
	2167	H 8	3253	B23		
G	2168	M 8	3254	B22		
	2169	M 5	3255	B22		
	2172	F12	3256	M 4		
	2173	H12	3262	F27		
	2174	J12	3274	L17		
	2175	L12	3275	L14		
	2175	F 7	3279	G20		
H	2176	B 7	3280	F20		
	2178	J 7	3281	F21		
	2179	E24	3296	N 7		
	2180	E23	3297	N 7		
	2182	N 2	3298	L 5		
	2182	N 8	3299	G 5		
	2182	N 6	3301	A 8		
	2185	G22	3302	E 8		
I	2186	G20	3303	J 8		
	2187	M30	3304	E 2		
	2188	M26	3305	D 2		
	2199	D 7	3306	E 3		
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	2253	D23	5104	M11		
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	2258	F25	5150	C 4		
K	2259	F26	5151	G 4		
	2260	F26	5152	L 4		
	2261	G26	6102	I27		
	2262	G27	6103	M27		
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	2272	F15	6250	C24		
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	2287	H 7	7105	C25		
	2289	L 8	7108	K32		
	2291	L 8	7110	G21		
	2293	H 8	7111	G20		
	2295	H 8	7113	J14		
	2297	D 8	7116	J29		
M	2298	C10	7117	N29		
	2299	D 8	7119	C 5		
	2301	C 7	7120	C 6		
	2302	G 7	7121	G 6		
	2303	K 7	7122	K 6		
	2304	B 9	7123	N 6		
	2305	F 9	7124	G 4		
	2306	J 9	7125	K 4		
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	2308	F 7	7158	L15		
	2309	K 7	7159	C 3		
	2312	C11	7160	B 3		
	3100	K29	7170	N 8		
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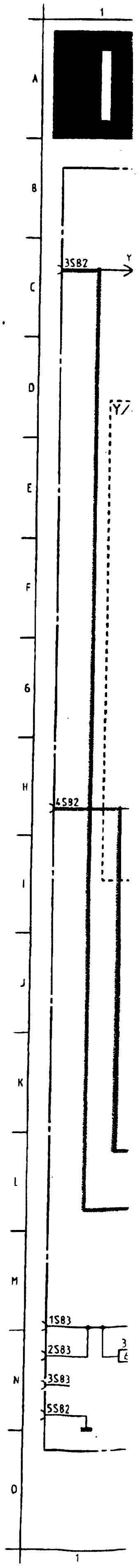
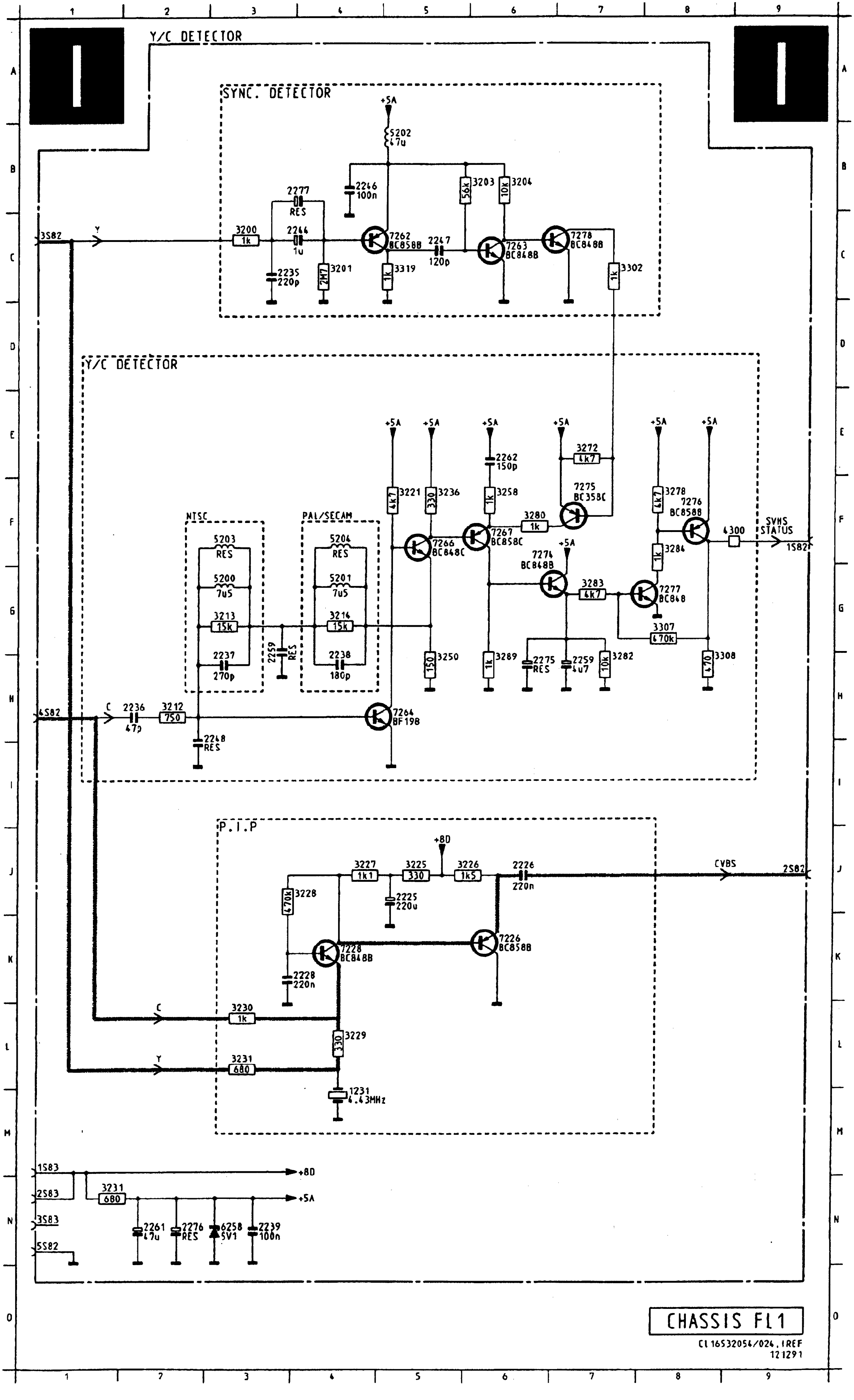
	3102	L29	7205	I21		
	3103	L29	7206	M 9		
O	3104	M32	7206	J30		
	3110	J16	7206	J31		
	3111	J15	7206	J32		
	3113	J14	7207	M11		
	3114	J15	7207	N30		


1
A
B
C
D
E
F
6
H
I
J
K
L
M
N
O
3S82
Y
4S92
1S83
2S83
3S83
5S82
1

Y/C Detector Y/C Detektor Détecteur Y/C


Y/C DETECTOR
SYNC. DETECTOR
Y/C DETECTOR
NTSC
PAL/SECAM
P.I.P
3S82
4S82
1S82
2S82
1S83
2S83
3S83
5S82
Y
C
CVBS
SVHS STATUS
+5A
+8D
5202 47u
2246 100n
3203 56k
3204 10k
2277 RES
3200 1k
2244 1u
2235 220p
3201 2M7
7262 BC858B
3319 1k
2247 120p
7263 BC848B
7278 BC848B
3302 1k
2262 150p
3272 4k7
7275 BC358C
3221 4k7
3236 330
3258 1k
3280 1k
3278 4k7
7276 BC858B
4300
5203 RES
5204 RES
5200 7u5
5201 7u5
3213 15k
3214 15k
2259 RES
2237 270p
2238 180p
7266 BC848C
7267 BC858C
7274 BC848B
3283 4k7
7277 BC848
3284 1k
3307 470k
3250 150
3289 1k
2275 RES
2259 4u7
3282 10k
3308 470
2236 47p
3212 750
2248 RES
7264 BF198
3227 1k1
3225 330
3226 1k5
2226 220n
3228 470k
2225 220u
7228 BC848B
7226 BC858B
2228 220n
3230 1k
3229 330
3231 680
1231 4.43MHz
3231 680
2261 47u
2276 RES
6258 5V1
2239 100n
CHASSIS FL1
CL 16532054/024.1REF
121291
A
B
C
D
E
F
G
H
I
J
K
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8
9

1231	M 4
2225	J 5
2226	J 6
2228	K 3
2235	C 3
2236	H 2
2237	H 3
2238	H 4
2239	N 3
2244	C 4
2246	B 4
2247	C 5
2248	I 2
2259	G 3
2259	H 7
2261	N 2
2262	E 6
2275	H 6
2276	N 2
2277	B 4
3200	C 3
3201	C 4
3203	B 5
3204	B 6
3212	H 2
3213	G 3
3214	G 4
3221	F 5
3225	J 5
3226	J 5
3227	J 4
3228	J 4
3229	L 4
3230	L 3
3231	L 3
3231	N 1
3236	F 5
3250	G 5
3258	F 6
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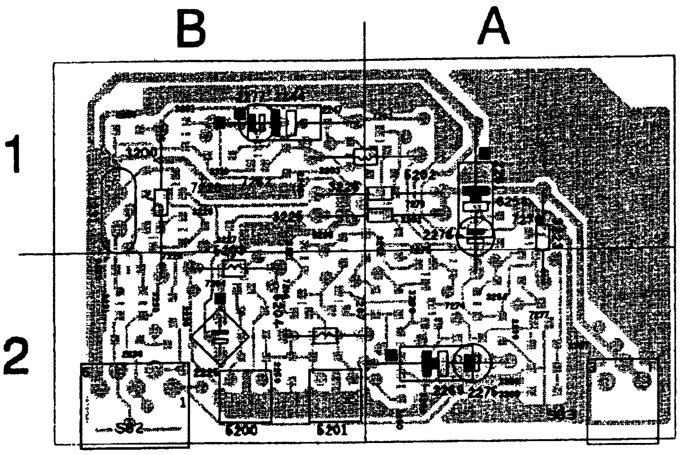
3280	F 6
3282	G 7
3283	G 7
3284	F 8
3289	G 6
3302	C 7
3307	G 8
3308	G 8
3319	C 5
4300	F 9
5200	G 3
5201	G 4
5202	B 5
5203	F 3
5204	F 4
6258	N 3
7226	K 6
7228	K 4
7262	C 5
7263	C 6
7264	H 5
7266	F 5
7267	F 6
7274	F 6
7275	F 7
7276	F 8
7277	G 8
7278	C 7

Y/C

31	M 4
25	J 5
26	J 6
28	K 3
35	C 3
36	H 2
37	H 3
38	H 4
39	N 3
44	C 4
46	B 4
47	C 5
48	I 2
59	G 3
59	H 7
61	N 2
62	E 6
75	H 6
76	N 2
77	B 4
00	C 3
01	C 4
03	B 5
04	B 6
12	H 2
13	G 3
14	G 4
21	F 5
25	J 5
26	J 5
27	J 4
28	J 4
29	L 4
30	L 3
31	L 3
31	N 1
36	F 5
50	G 5
58	F 6
72	E 7
78	F 8
30	F 6
32	G 7
33	G 7
34	F 8
39	G 6
02	C 7
07	G 8
08	G 8
19	C 5
00	F 9
00	G 3
01	G 4
02	B 5
03	F 3
04	F 4
58	N 3
26	K 6
28	K 4
52	C 5
53	C 6
54	H 5
56	F 5
57	F 6
74	F 6
75	F 7
76	F 8
77	G 8
78	C 7

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



S82 B2	2239 A2	2276 A1	3221 B2	3250 A2	3307 A2	6258 A1	7276 A1
S83 A2	2244 B1	2277 B1	3223 A1	3258 B2	3308 A2	7226 B1	7277 A2
1231 B1	2246 B1	3190 A2	3225 A1	3272 A2	3319 B1	7228 B1	7278 A1
2225 B2	2247 B1	3200 B1	3226 A1	3278 A2	3991 A2	7262 B1	
2226 B2	2248 B2	3201 A1	3227 B1	3280 A2	4300 A2	7263 A1	
2228 B1	2259 B2	3203 B1	3228 B1	3282 A2	5200 B2	7264 B2	
2235 B1	2261 A1	3204 A1	3229 B2	3283 A2	5201 B2	7266 B2	
2236 B2	2262 B2	3212 B2	3230 B2	3284 A2	5202 B1	7267 B2	
2237 B2	2269 A2	3213 B2	3231 B2	3289 A2	5203 B2	7274 A2	
2238 B2	2275 A2	3214 B2	3236 B2	3302 A2	5204 B2	7275 A2	

Electrical adjustments

Setting conditions

- Unless stated otherwise, the supply voltage used is:
  220 - 240V ± 10%; 50 - 60Hz ± 5%
- Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- Warming-up time ≈ 10 minutes
- For all measurements it is true that:
  probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +141V supply voltage
Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the Line output transformer).

1.3 Vg2 setting
Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V ± 2V.

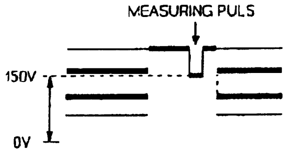


Fig. 7.1

1.4 Stable OSD
Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

1.5 Horizontal synchronisation
Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

1.6 Horizontal centring
Set using potentiometer R3513.

1.7 Picture width
Set using potentiometer R3607.

1.8 Vertical centring
Set using potentiometer R3467.

1.9 Picture height
Set using potentiometer R3410.

1.10 East/West correction
Set using potentiometer R3602.

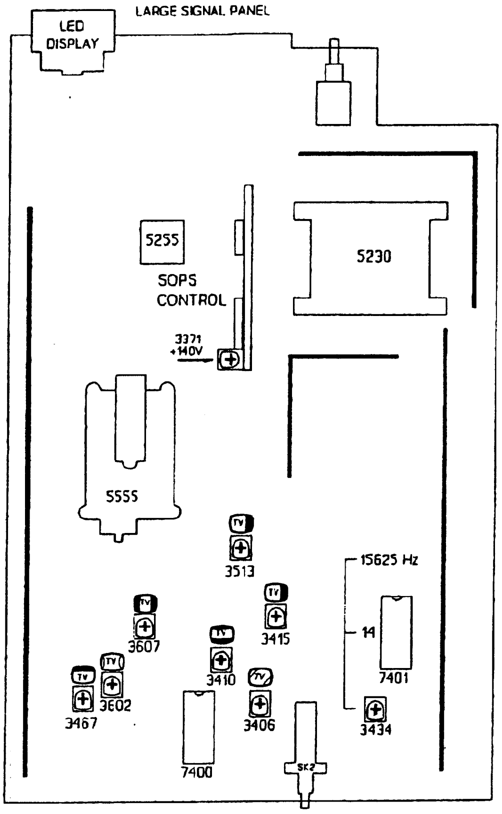


Fig. 7.2

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation
Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4,43 MHz chroma suppression circuit
Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1. Connect an oscilloscope to pin 9-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression
Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV$_{rms}$.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression
Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV$_{rms}$.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude. Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

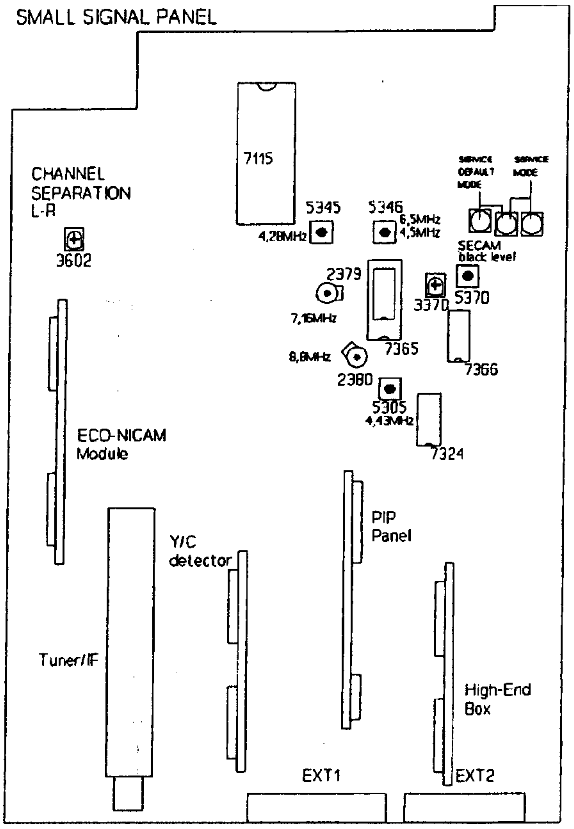


Fig. 7.3

PAL
5
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PAL
5
ıe colour
nove the

SECAM
pin
de.
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SERVICE MODE
1
vel

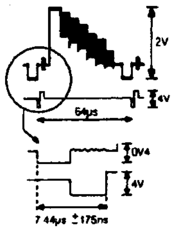
-End

3. Electrical adjustments on the high-end box

3.1 Synchronisation
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator
Measure the signals at point 1 of IC7205 and at point 5 Of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 μsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator
Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.


2V
4V
64μs
0V4
4V
7.44μs ±175ns

PRS 08965
T-26/113

Fig. 7.4

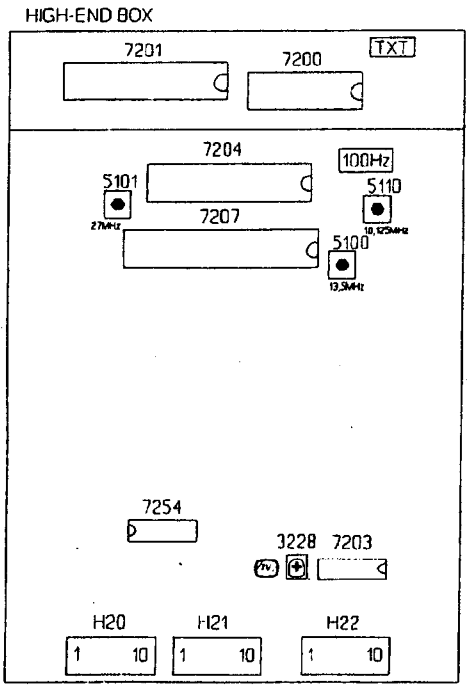

HIGH-END BOX
7201
7200
TXT
7204
100Hz
5101
5110
27MHz
7207
10,125MHz
5100
13,5MHz
7254
3228
7203
H20
H21
H22
1
10
1
10
1
10

Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment
Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).
Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

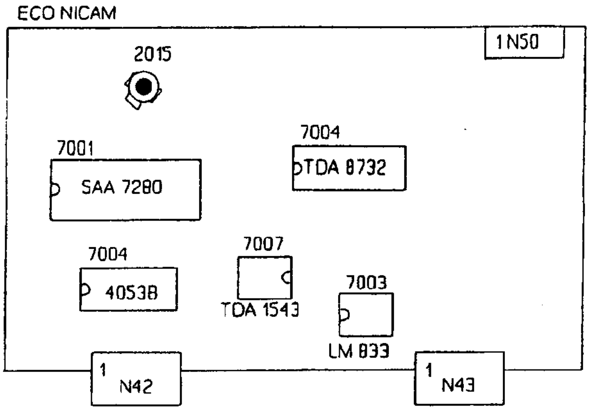

ECO NICAM
2015
1N50
7001
SAA 7280
7004
TDA 8732
7004
40538
7007
TDA 1543
7003
LM 833
1
N42
1
N43

Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pi
15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

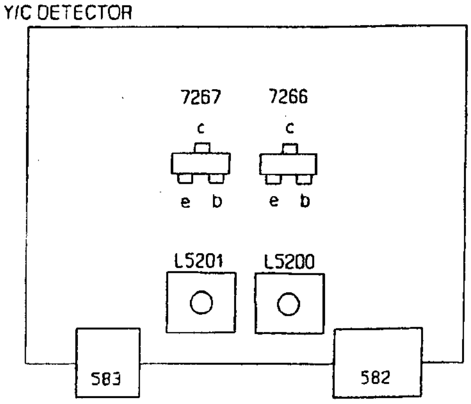

Y/C DETECTOR
7267
7266
c
c
e b
e b
L5201
L5200
583
582

Fig. 7.7

6. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

6.1 Horizontal synchronisation

Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

6.2 AGC

If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 *Chroma bandpass filter*
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set L5118 to maximum amplitude.

a-2 *PAL chroma auxiliary oscillator*
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 *The delayline*
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 *Chroma bandpass filter*
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 *PAL chroma auxiliary oscillator*
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 *NTSC chroma auxiliary oscillator*
Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 *The delay line*
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 *SECAM identification*
Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 *SECAM demodulators*
Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

PIP MODULE

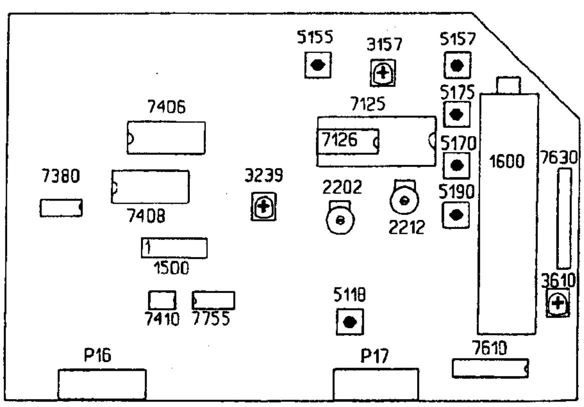


Fig. 7.8

7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.

- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
	— +
Optioncode 1 now becomes	10

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the "**PP store**" key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1	
Nbr.	**Function**
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies.

Optioncode 2	
Nbr.	**Function**
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.1 AC sets).
4	**100 Hz High-end box fitted** This will always be the case.
32	**NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).

Repair tips

1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  - * PAL/SECAM BG for Multi Europe
  - * PAL I for UK
  - * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.
To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU>-<BLUE>-<RED>-<MENU+>-<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ ✻ ∞, code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

front end
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99) and
enable
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37

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1) will

section
ROM
white
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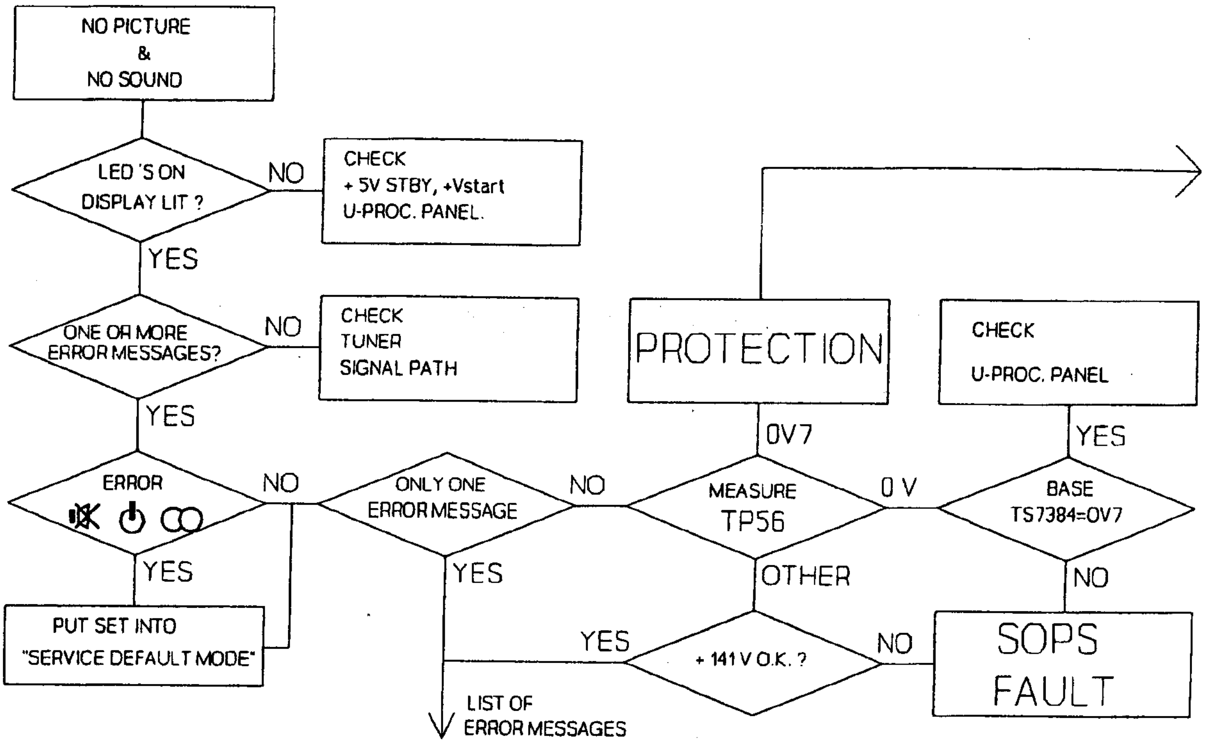
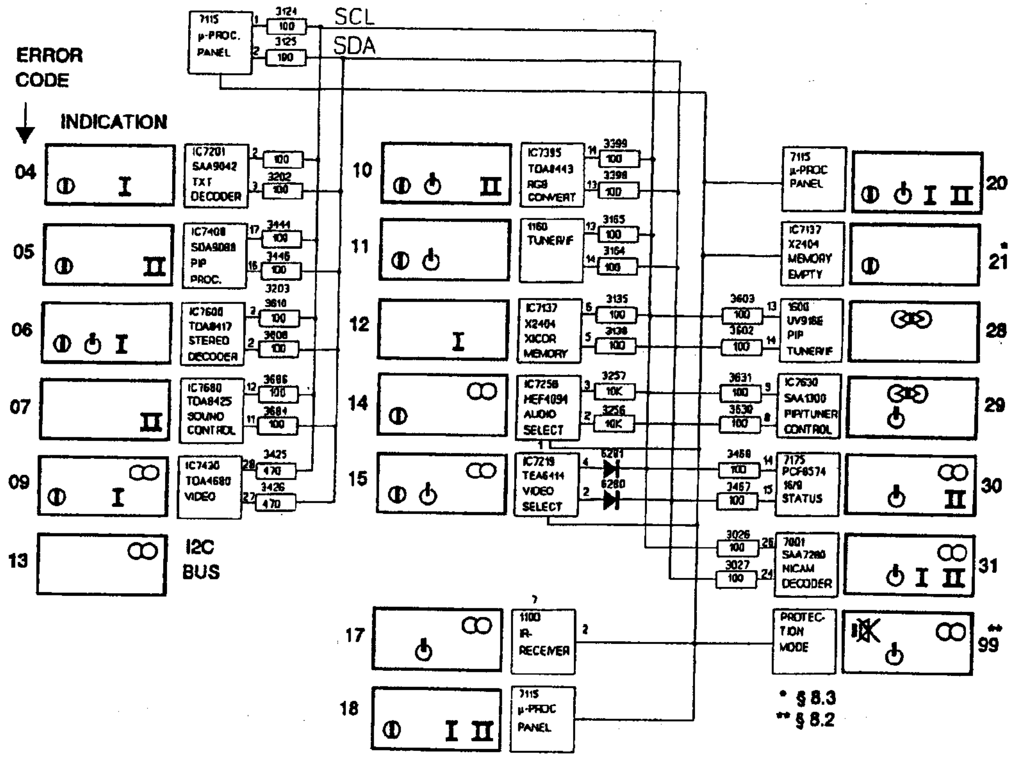
ams

Faultfindingtree

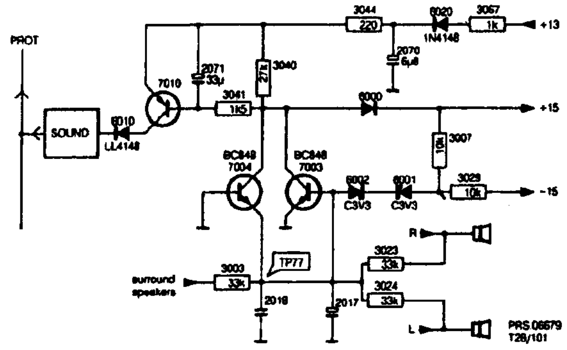

NO PICTURE & NO SOUND
LED 'S ON DISPLAY LIT ?
NO
CHECK + 5V STBY, +Vstart U-PROC. PANEL.
YES
ONE OR MORE ERROR MESSAGES?
NO
CHECK TUNER SIGNAL PATH
YES
ERROR
NO
ONLY ONE ERROR MESSAGE
NO
MEASURE TP56
0 V
BASE TS7384=0V7
YES
CHECK U-PROC. PANEL
0V7
PROTECTION
YES
PUT SET INTO "SERVICE DEFAULT MODE"
YES
OTHER
NO
YES
+ 141 V O.K. ?
NO
SOPS FAULT
LIST OF ERROR MESSAGES

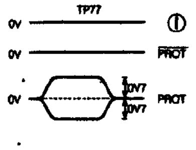
List of error messages

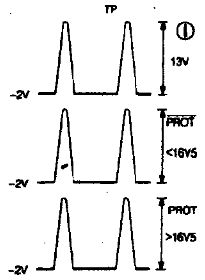
I²C Blockdiagram


ERROR CODE
INDICATION
SCL
SDA
7115 μ-PROC. PANEL
3124 100
3125 100
04
IC7201 SAA5042 TXT DECODER
3202 100
05
IC7408 SDA9088 PIP PROC.
3444 100
3446 100
3203
06
IC7600 TDA8417 STEREO DECODER
3610 100
3608 100
07
IC7680 TDA8425 SOUND CONTROL
3686 100
3684 100
09
IC7430 TDA4680 VIDEO
3425 470
3426 470
13
I2C BUS
10
IC7395 TDA8443 RGB CONVERT
3399 100
3398 100
11
1160 TUNER/IF
3165 100
3164 100
12
IC7137 X2404 XICOR MEMORY
3135 100
3136 100
14
IC7250 HEF4094 AUDIO SELECT
3257 10K
3256 10K
15
IC7219 TEA6414 VIDEO SELECT
6281
6280
17
1100 IR-RECEIVER
18
7115 μ-PROC PANEL
7115 μ-PROC PANEL
20
IC7137 X2404 MEMORY EMPTY
21
3603 100
3602 100
1500 UV916E PIP TUNER/IF
28
3631 100
3630 100
IC7630 SAA1300 PIP/TUNER CONTROL
29
3468 100
3467 100
7175 PCF8574 16/9 STATUS
30
3026 100
3027 100
7001 SAA7280 NICAM DECODER
31
PROTECTION MODE
99
* § 8.3
** § 8.2

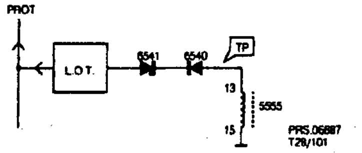
Protection

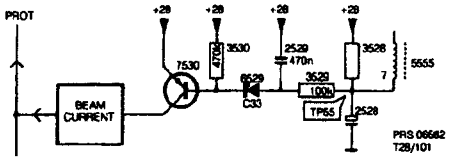

PROT
SOUND
6010
LL4148
7010
2071
33µ
3041
1k5
3040
27k
3044
220
6020
1N4148
3067
1k
+13
2070
6µ8
6000
+15
10k
3007
BC848
7004
BC848
7003
6002
C3V3
6001
C3V3
3029
10k
-15
R
3023
33k
3024
33k
L
TP77
surround speakers
3003
33k
2018
2017
PRS 06679
T28/101





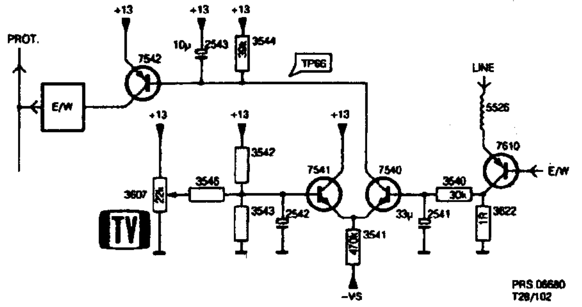
EHT

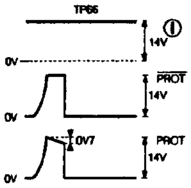

PROT
L.O.T.
6541
6540
TP
13
15
5555
PRS 06687
T28/101

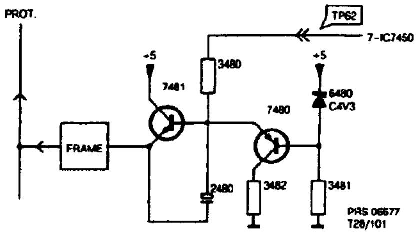

PROT
BEAM CURRENT
+28
+28
+28
+28
7530
470k
3530
2529
470n
6529
C33
3529
100k
TP55
3528
2528
7
5555
PRS 06682
T28/101

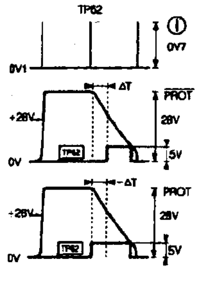
● PROT

▨ PROT

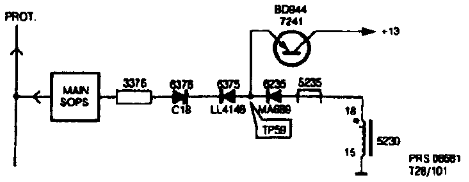

PROT.
E/W
+13
+13
+13
7542
10µ
2543
39k
3544
TP66
LINE
5526
+13
+13
+13
3542
7541
7540
7610
E/W
3607
22k
3546
3543
2542
33µ
2541
3540
30k
1R
3622
TV
470k
3541
-VS
PRS 06680
T28/102

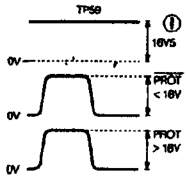



PROT.
TP62
7-IC7450
+5
3480
+5
7481
6480
C4V3
7480
FRAME
2480
3482
3481
PRS 06677
T28/101



+V


PROT.
BD844
7241
+13
MAIN SOPS
3376
6376
C18
6375
LL4148
6235
MA689
5235
TP59
18
15
5230
PRS 06681
T28/101



4. S
D

4.1 G
a. O
sc
b. A
o
di
h
Tr
m
c. R
m
ci
sh
m
he
cc
N
ca
Sl
su

4.2 R
a. H
th
fo
so
so
b. W
it
ea
c. R
m

Caution
a. W
pr
b. W
wi
c. Th
pr
(s
d. Th

4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.

c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:

b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must never be reused.

4.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).

b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

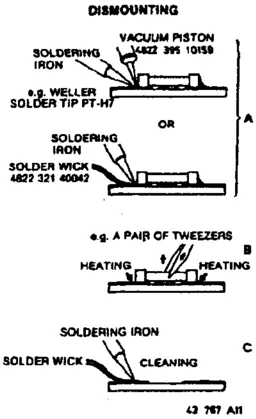

DISMOUNTING
VACUUM PISTON
4822 395 10159
SOLDERING IRON
e.g. WELLER SOLDER TIP PT-H7
OR
SOLDERING IRON
SOLDER WICK
4822 321 40042
A
e.g. A PAIR OF TWEEZERS
B
HEATING
HEATING
SOLDERING IRON
C
SOLDER WICK
CLEANING
43 767 A11

Fig. 8.1

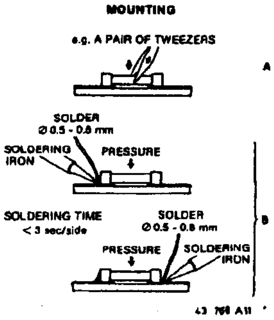

MOUNTING
e.g. A PAIR OF TWEEZERS
A
SOLDER
Ø 0.5 - 0.8 mm
SOLDERING IRON
PRESSURE
SOLDERING TIME
< 3 sec/side
SOLDER
Ø 0.5 - 0.8 mm
PRESSURE
SOLDERING IRON
B
43 768 A11

Fig. 8.2

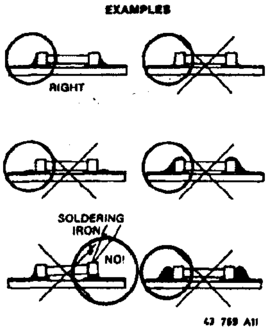
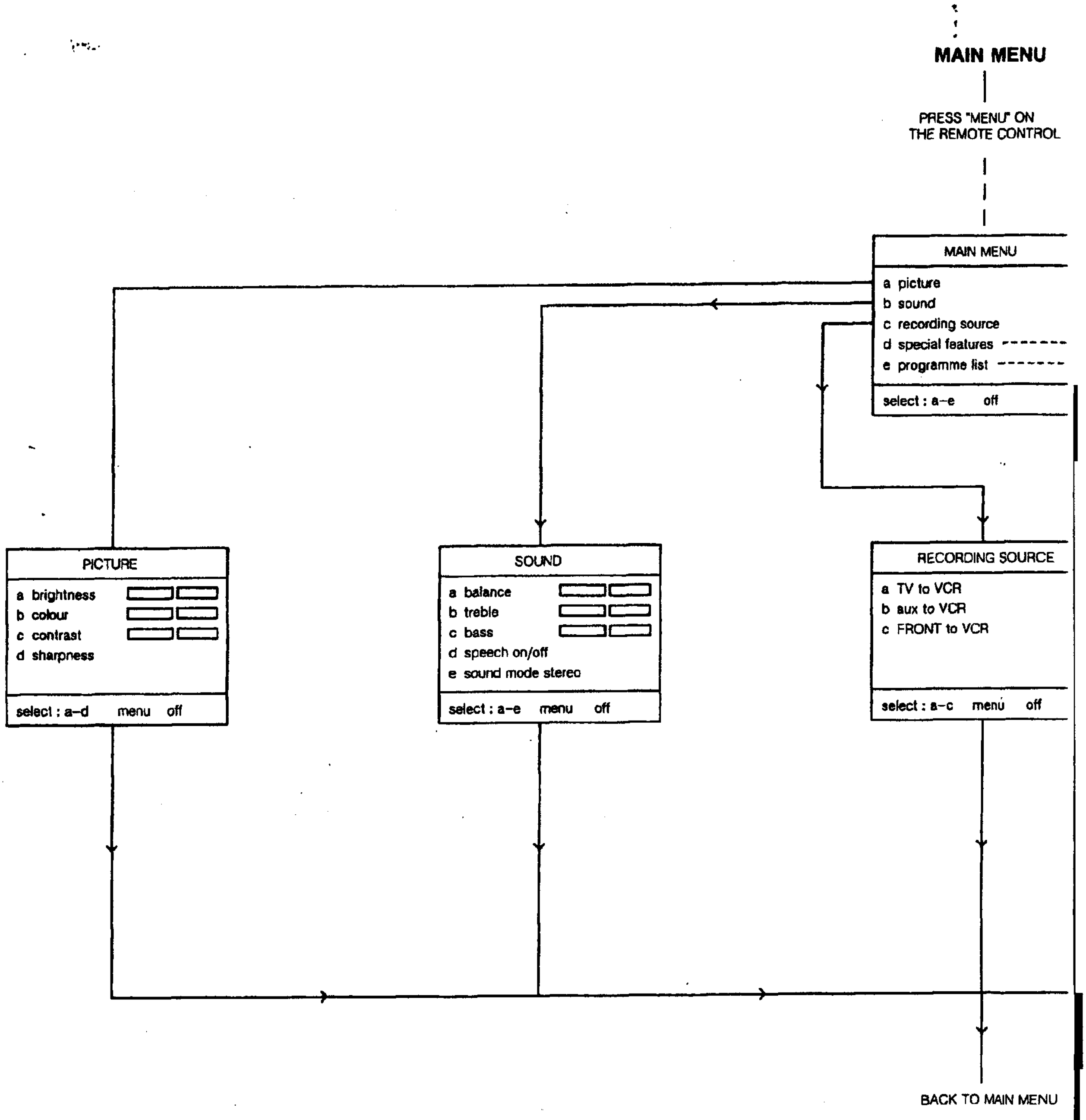
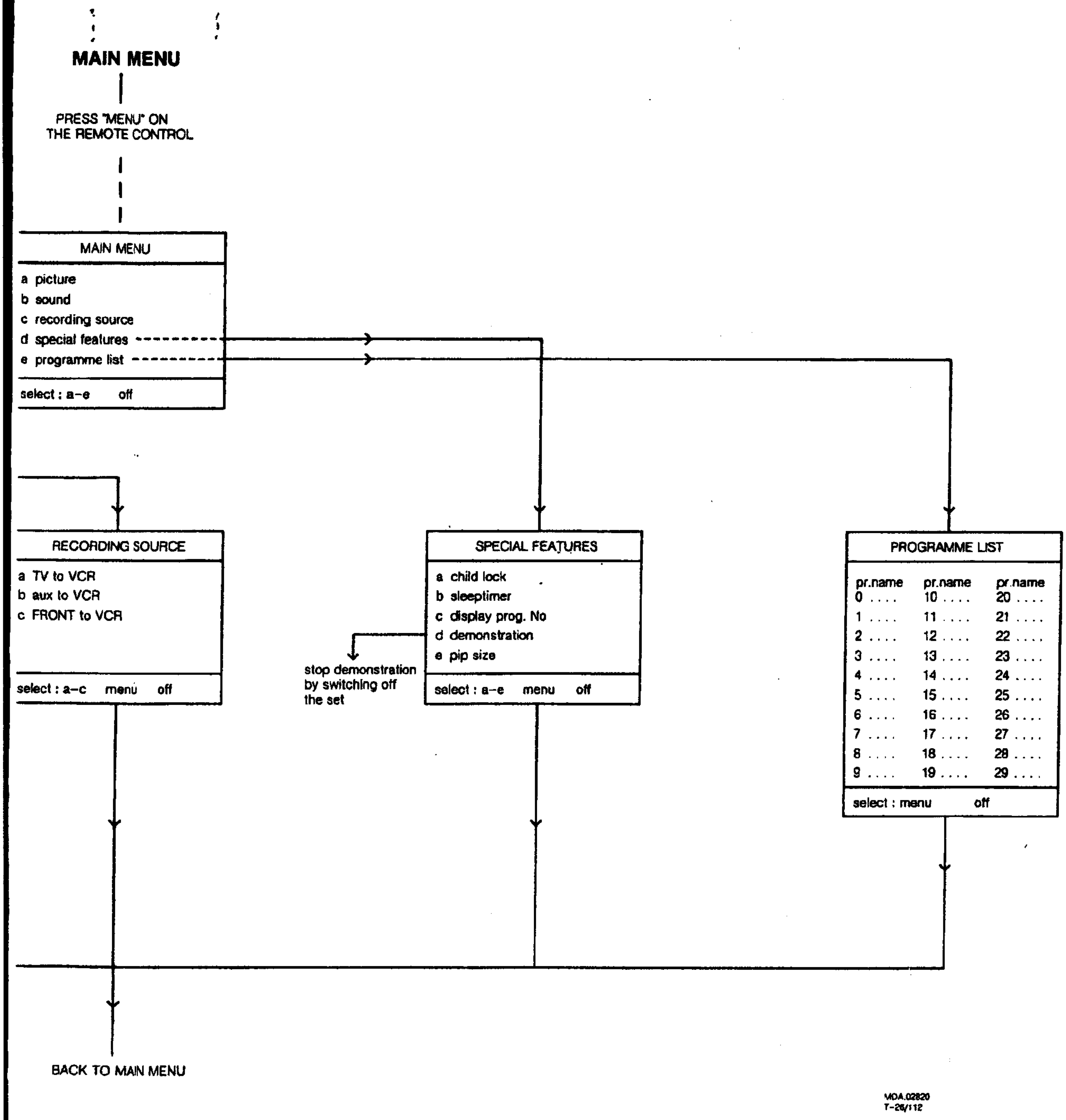

EXAMPLES
RIGHT
SOLDERING IRON
NO!
43 769 A11

Fig. 8.3

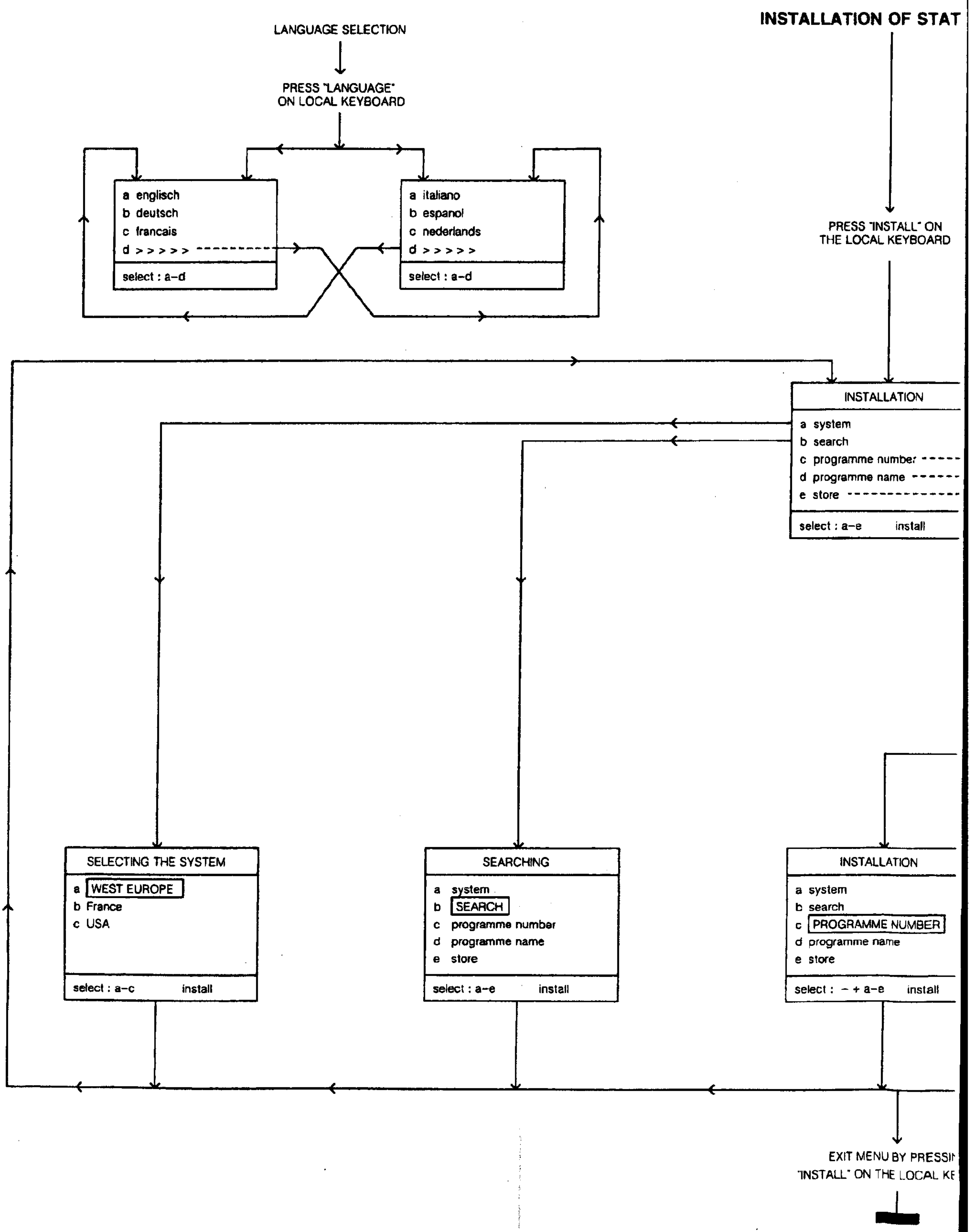
Survey of menus FL1.1


MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
PICTURE
a brightness
b colour
c contrast
d sharpness
select : a–d menu off
SOUND
a balance
b treble
c bass
d speech on/off
e sound mode stereo
select : a–e menu off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
BACK TO MAIN MENU

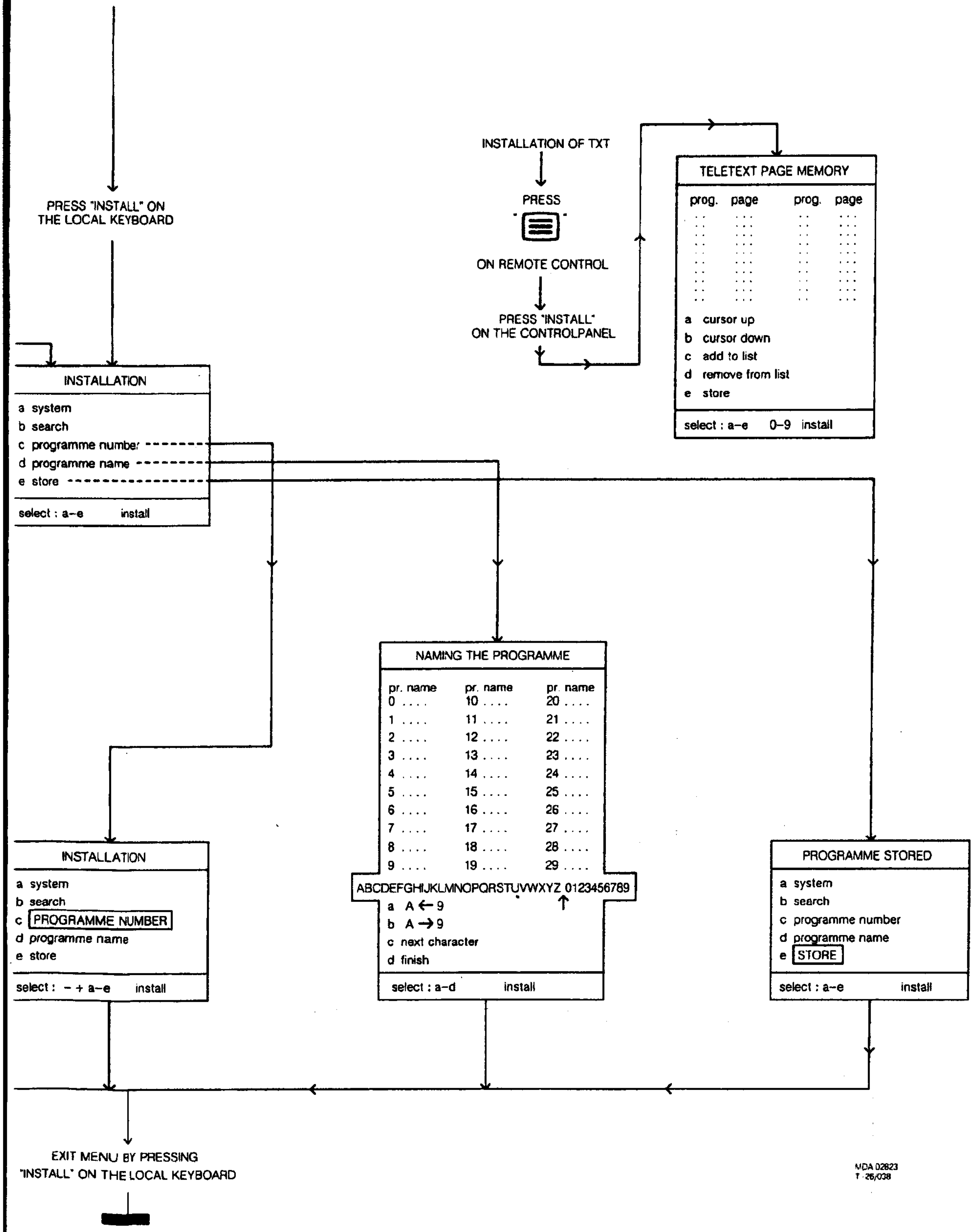

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
SPECIAL FEATURES
a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size
select : a–e menu off
stop demonstration by switching off the set
PROGRAMME LIST
pr.name pr.name pr.name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
select : menu off
BACK TO MAIN MENU
MOA.02820
T-26/112

]

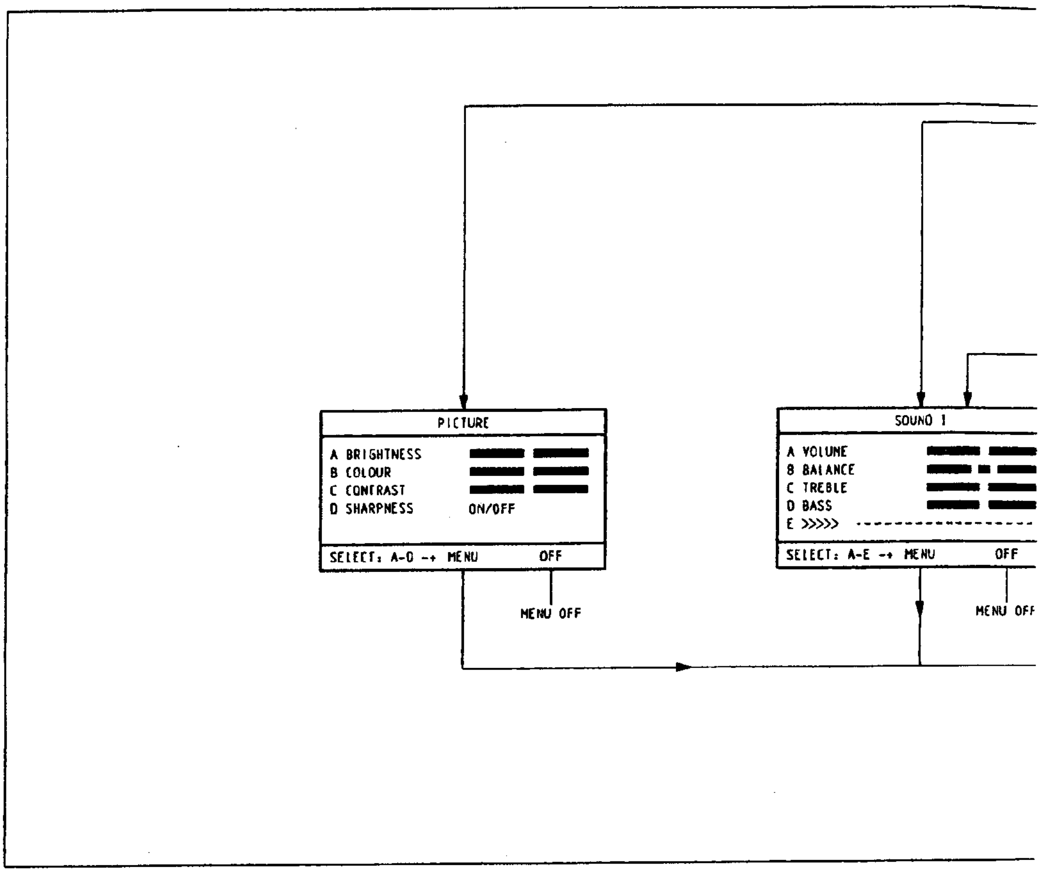
Survey of menus FL1.1

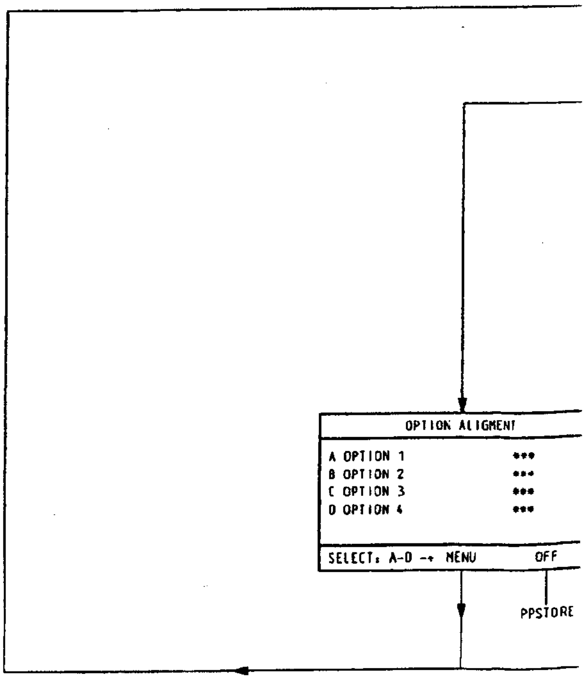

LANGUAGE SELECTION
PRESS "LANGUAGE" ON LOCAL KEYBOARD
a englisch
b deutsch
c francais
d > > > > >
select : a–d
a italiano
b espanol
c nederlands
d > > > > >
select : a–d
INSTALLATION OF STAT
PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
SELECTING THE SYSTEM
a WEST EUROPE
b France
c USA
select : a–c install
SEARCHING
a system
b SEARCH
c programme number
d programme name
e store
select : a–e install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
EXIT MENU BY PRESSI
"INSTALL" ON THE LOCAL KE

ALLATION OF STATIONS

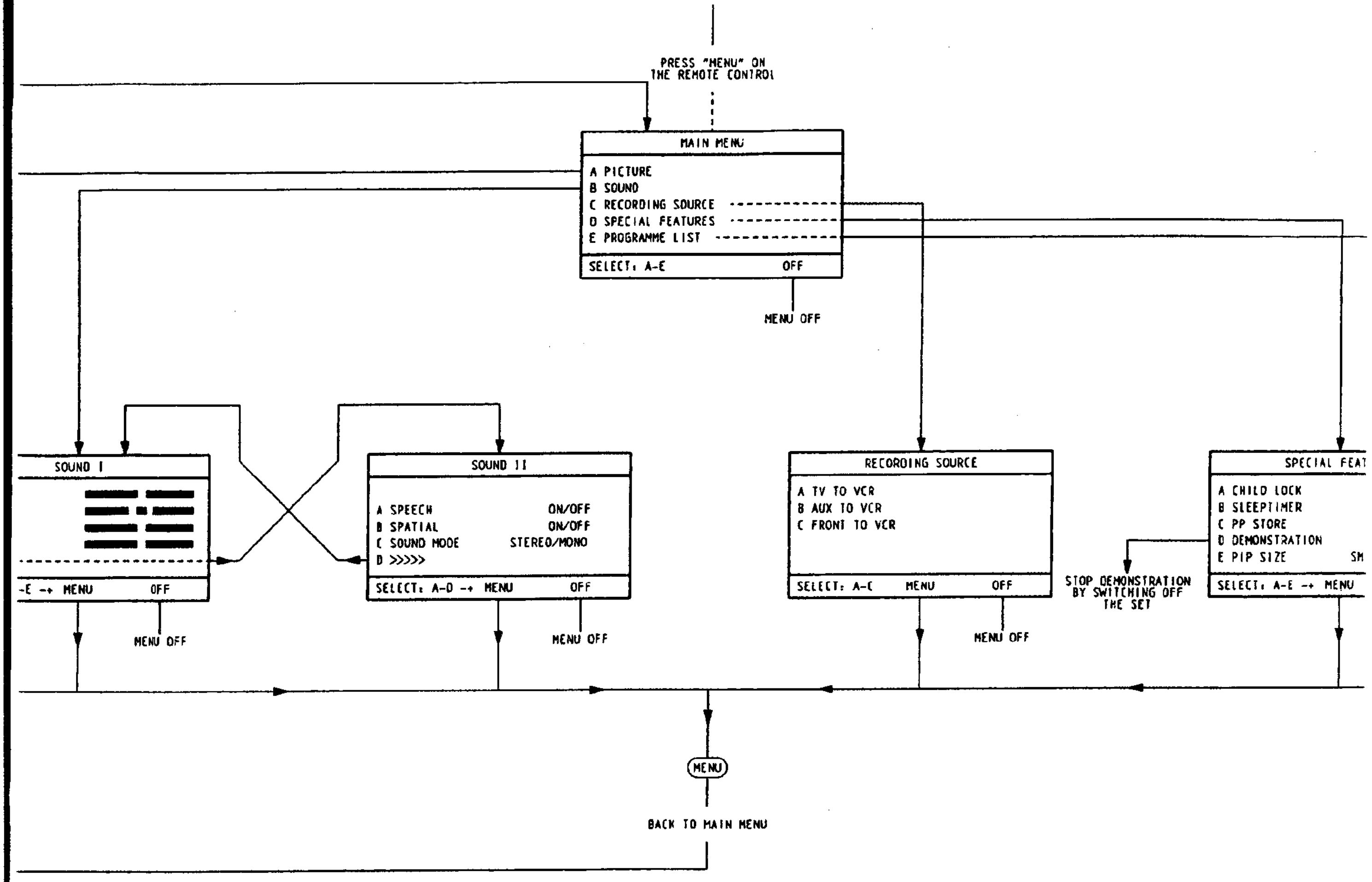

PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
prog. page prog. page
a cursor up
b cursor down
c add to list
d remove from list
e store
select : a–e 0–9 install
NAMING THE PROGRAMME
pr. name pr. name pr. name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789
a A ← 9
b A → 9
c next character
d finish
select : a–d install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
PROGRAMME STORED
a system
b search
c programme number
d programme name
e STORE
select : a–e install
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MDA 02823
T 26/038

Survey of menus FL1.7

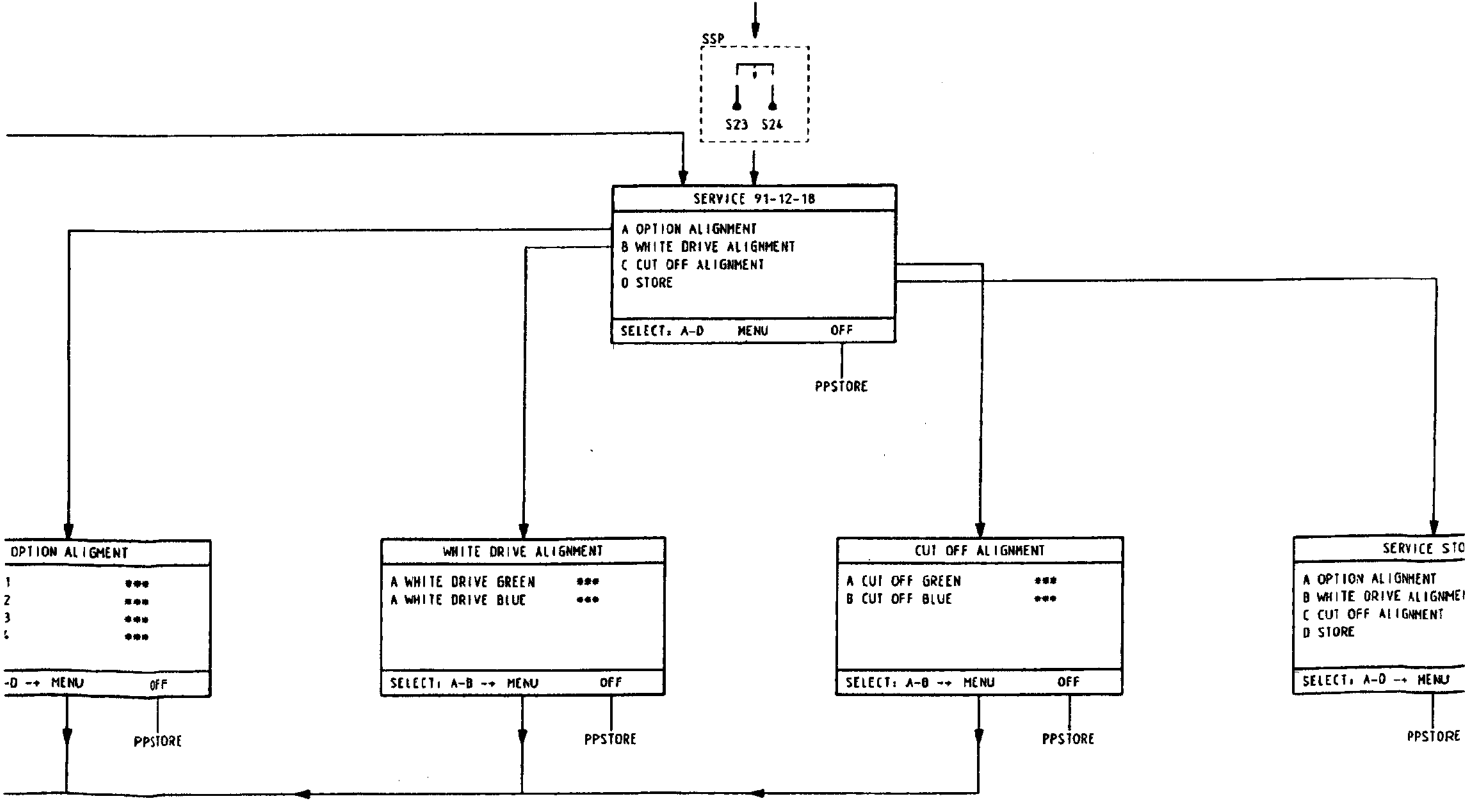

PICTURE
A BRIGHTNESS
B COLOUR
C CONTRAST
D SHARPNESS ON/OFF
SELECT: A-D → MENU OFF
MENU OFF
SOUND 1
A VOLUME
B BALANCE
C TREBLE
D BASS
E >>>>>
SELECT: A-E → MENU OFF
MENU OFF

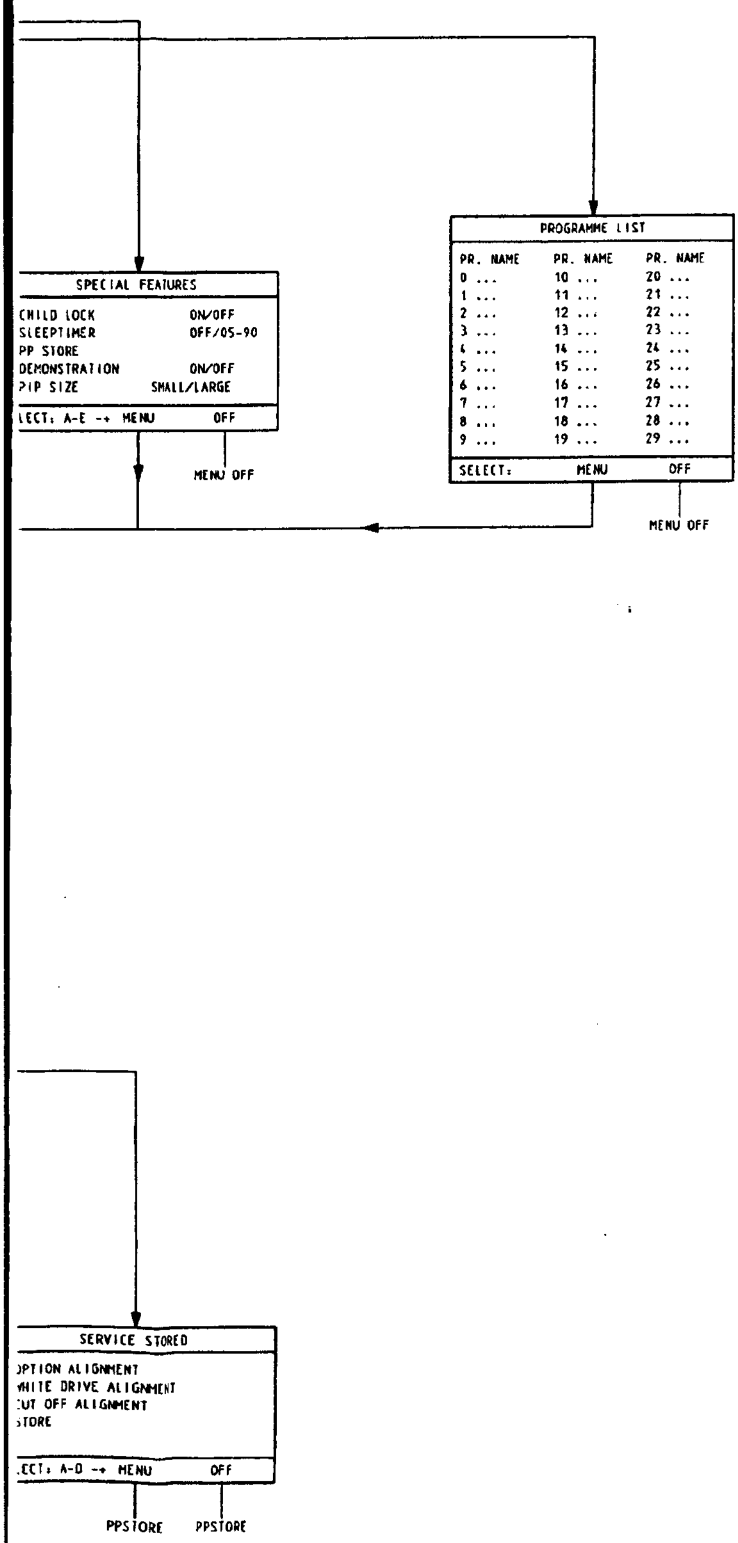

OPTION ALIGMENT
A OPTION 1 ***
B OPTION 2 ***
C OPTION 3 ***
D OPTION 4 ***
SELECT: A-D → MENU OFF
PPSTORE

MAIN MENU

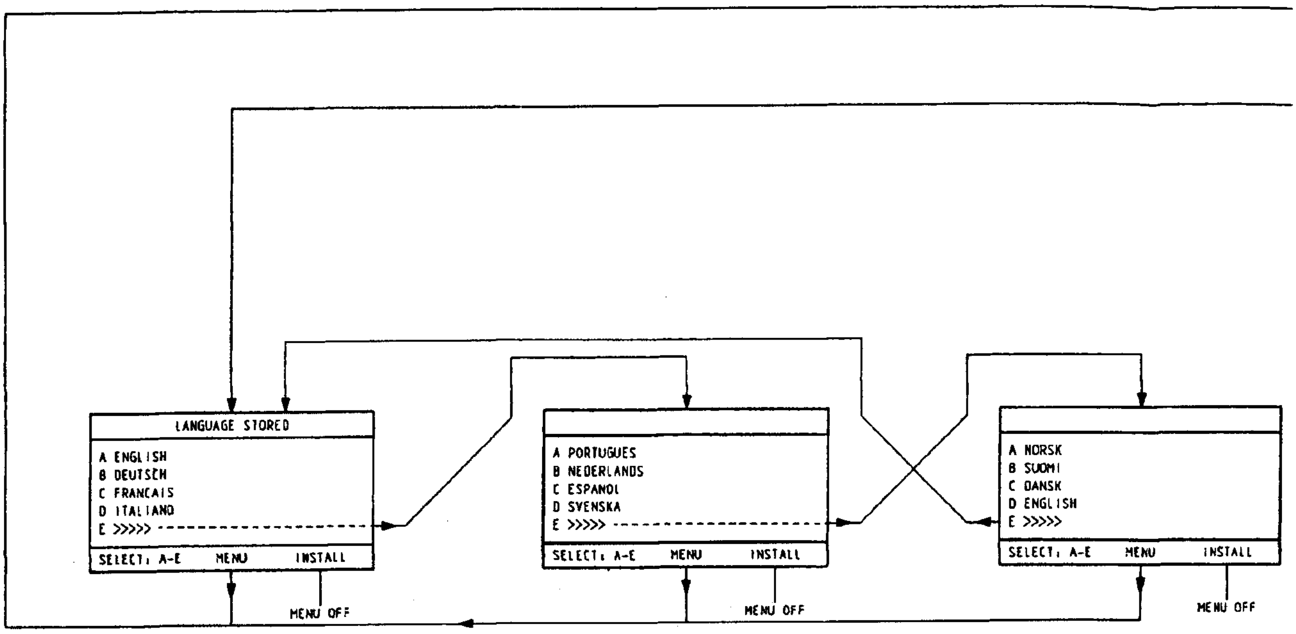

PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E PROGRAMME LIST
SELECT: A-E
OFF
MENU OFF
SOUND I
-E → MENU
OFF
MENU OFF
SOUND II
A SPEECH ON/OFF
B SPATIAL ON/OFF
C SOUND MODE STEREO/MONO
D >>>>>
SELECT: A-D → MENU
OFF
MENU OFF
RECORDING SOURCE
A TV TO VCR
B AUX TO VCR
C FRONT TO VCR
SELECT: A-C
MENU
OFF
MENU OFF
STOP DEMONSTRATION BY SWITCHING OFF THE SET
SPECIAL FEAT
A CHILD LOCK
B SLEEPTIMER
C PP STORE
D DEMONSTRATION
E PIP SIZE
SM
SELECT: A-E → MENU
MENU
BACK TO MAIN MENU

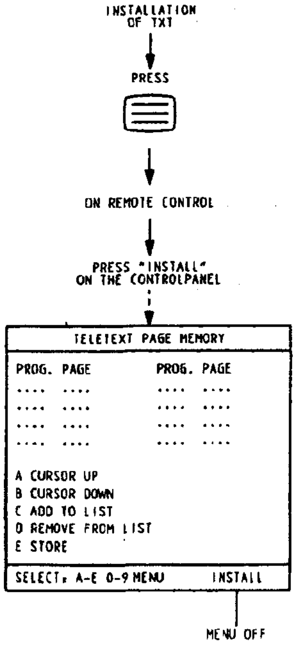
SERVICE MENU


SSP
S23
S24
SERVICE 91-12-18
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNMENT
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D
MENU
OFF
PPSTORE
OPTION ALIGMENT
1 ***
2 ***
3 ***
4 ***
-D → MENU
OFF
PPSTORE
WHITE DRIVE ALIGNMENT
A WHITE DRIVE GREEN ***
A WHITE DRIVE BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
CUT OFF ALIGNMENT
A CUT OFF GREEN ***
B CUT OFF BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
SERVICE STO
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNME
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D → MENU
PPSTORE

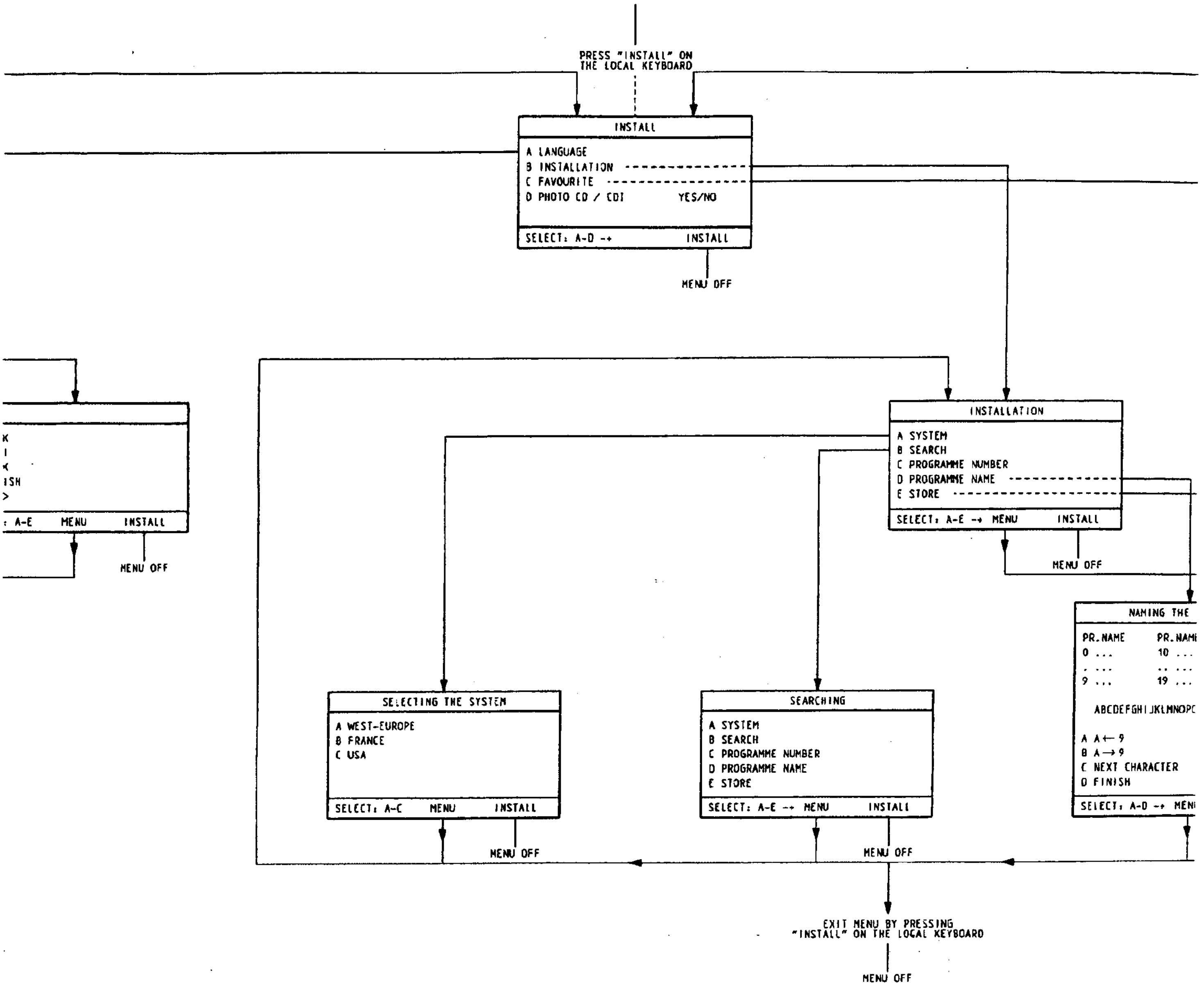

SPECIAL FEATURES
CHILD LOCK ON/OFF
SLEEPTIMER OFF/05-90
PP STORE
DEMONSTRATION ON/OFF
PIP SIZE SMALL/LARGE
LECT: A-E -→ MENU OFF
MENU OFF
PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF
SERVICE STORED
PTION ALIGNMENT
HITE DRIVE ALIGNMENT
UT OFF ALIGNMENT
TORE
LECT: A-D -→ MENU OFF
PPSTORE
PPSTORE

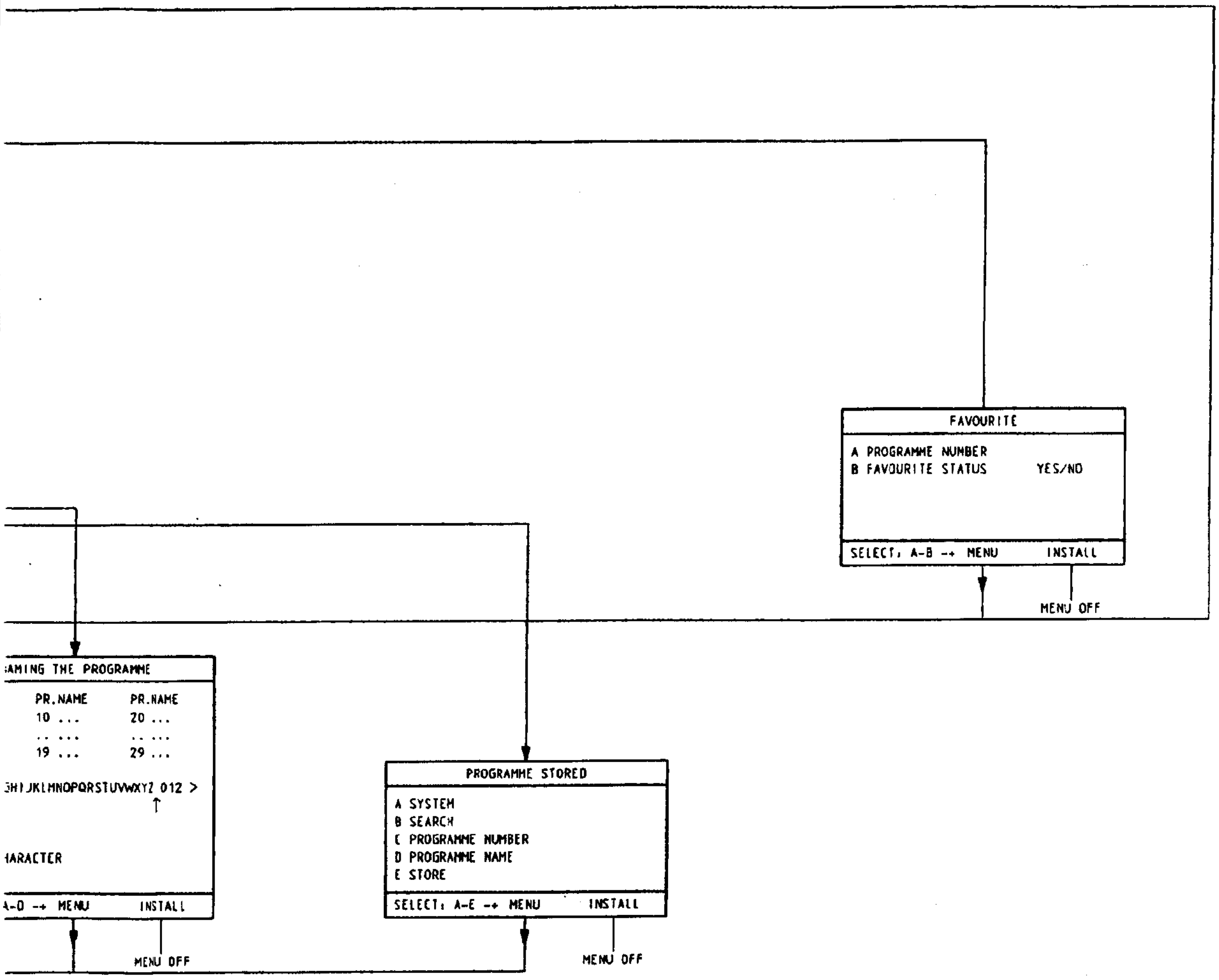
9.8 CHASSIS FL1.1 Survey of menus FL1.7


LANGUAGE STORED
A ENGLISH
B DEUTSCH
C FRANCAIS
D ITALIANO
E >>>>>
SELECT: A-E
MENU
INSTALL
MENU OFF
A PORTUGUES
B NEDERLANDS
C ESPANOL
D SVENSKA
E >>>>>
SELECT: A-E
MENU
INSTALL
MENU OFF
A NORSK
B SUOMI
C DANSK
D ENGLISH
E >>>>>
SELECT: A-E
MENU
INSTALL
MENU OFF


INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
PROG. PAGE
PROG. PAGE
A CURSOR UP
B CURSOR DOWN
C ADD TO LIST
D REMOVE FROM LIST
E STORE
SELECT: A-E 0-9
MENU
INSTALL
MENU OFF

INSTALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALL
A LANGUAGE
B INSTALLATION
C FAVOURITE
D PHOTO CD / CDI YES/NO
SELECT: A-D → INSTALL
MENU OFF
K
I
K
ISH
>
: A-E MENU INSTALL
MENU OFF
INSTALLATION
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
NAMING THE
PR.NAME PR.NAM
0 ... 10 ...
. ...
9 ... 19 ...
ABCDEFGHIJKLMNOPC
A A← 9
B A→9
C NEXT CHARACTER
D FINISH
SELECT: A-D → MEN
SELECTING THE SYSTEM
A WEST-EUROPE
B FRANCE
C USA
SELECT: A-C MENU INSTALL
MENU OFF
SEARCHING
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MENU OFF


FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS YES/NO
SELECT: A-B → MENU
INSTALL
MENU OFF
AMING THE PROGRAMME
PR.NAME
10 ...
.. ...
19 ...
PR.NAME
20 ...
.. ...
29 ...
GHIJKLMNOPQRSTUVWXYZ 012 >
↑
HARACTER
A-D → MENU
INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU
INSTALL
MENU OFF

Spare parts list / Stückliste / Liste

Large signal panel A B G

Connectors

	4822 265 30525	2P male grey
	4822 265 20541	2P male black
	4822 265 40469	6P female gold
	4822 265 40472	10P female gold
	4822 290 40295	7P male
	4822 265 40818	8P male
	4822 267 40985	6P male
	4822 264 40207	3P male
	4822 265 30389	2P male
	4822 265 40596	2P male
	4822 265 20512	2P male green
	4822 267 50591	6P male gold
	4822 264 50149	10P male gold

Various parts

	4822 255 40527	insulating plate
	4822 492 70143	spring 10 X 33MM
	4822 492 62076	spring fix transistor
	4822 492 70788	spring fix IC
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
	4822 320 11086	focus cable
	4822 320 20162	EHT cable
	4822 212 23749	SOPS CONTROL
	4822 310 61913	SOPS repair kit
1010	4822 212 23892	NTSC ASSY
1200	4822 070 33152	fuse T3,15A
1250	4822 071 52501	fuse T0,25A

⊣⊢

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22μF 10% 50V
2016	4822 124 42109	22μF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V
2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33μF 20% 16V
2051	4822 124 42362	33μF 20% 16V
2052	4822 124 42362	33μF 20% 16V
2053	4822 124 42362	33μF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33μF 20% 16V
2071	4822 124 42184	33μF 20% 25V
2072	4822 124 41584	100μF 20% 10V
2073	4822 124 21212	15μF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220μF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330μF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330μF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47μF 160V
2239	4822 124 40193	68μF 20% 16V
2240	4822 124 42183	1000μF 20% 63V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100μF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330μF 20% 16V
2270	4822 124 41584	100μF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1μF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33μF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V
2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2μF 20% 50V
2403	5322 124 41431	22μF 20% 35V
2404	4822 124 41577	4,7μF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330μF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220μF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470μF 20% 35V
2456	4822 124 41747	680μF 20%
2457	4822 124 42251	1,5μF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10μF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47μF 20% 160V
2512	4822 124 40435	10μF 20% 50V
2513	4822 124 40435	10μF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7μF 30% 350V
2519	4822 124 41831	1μF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47μF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000μF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000μF 20% 10V
2541	4822 124 42184	33μF 20% 25V
2542	4822 124 22466	1μF 20% 50V
2543	4822 124 23495	10μF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150μF 20% 16V
2600	4822 124 41577	4,7μF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

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Large signal panel A B G

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2610	4822 124 41576	2,2µF 20% 50V
2611	4822 124 41576	2,2µF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V
-▭-		
3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10224	220k 2% 0,25W
3009	4822 051 10224	220k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 053 21475	4M7 5% 0,5W
3202	4822 053 21475	4M7 5% 0,5W
3204	4822 116 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Ω5 10% 7W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W
3213	4822 051 10823	82k 2% 0,25W
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80584	2Ω7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W
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3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 051 51201	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	5322 111 90282	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W
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3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W
3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% LIN
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	4822 116 80176	1Ω 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

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3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	2Ω7 5% 0,5W
3535	4822 052 11278	2Ω7 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω1 5% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W

3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33K 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33µH 10%
5255	4822 148 81225	µSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead

5308	4822 157 62826	270µH 10%
5308	4822 157 63302	150µH 10% 33"
5310	4822 157 63251	3,9µH 10%
5310	4822 157 63301	1µH 15% 33"
5381	4822 157 52265	100µH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39µH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15µH 7,5%
5543	4822 158 10549	12µH 7,5%
5555	4822 140 10424	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

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Large signal panel A B G

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6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148

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7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A
7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

Spare parts list / Stückliste / Liste

Small signal panel C D F H

Connectors

	4822 265 40252	7P male
	4822 265 40253	8P
	4822 265 41113	7P
	4822 265 41114	9P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P male
	4822 267 40648	5P male gold
	4822 264 50149	10P male gold
	4822 264 40207	3P male
	4822 264 50149	10P male gold
	4822 265 40442	10P male
	4822 264 40207	3P male red
	4822 265 20509	2P male
	4822 265 30828	5P male brown
	4822 265 30899	5P male black
	4822 267 40648	5P male gold
	4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART+4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch+2xSVHS
	4822 267 41004	socket HEADPH. +cinch+SVHS
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10418	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159MHz
1380	4822 242 70304	crystal 8,867MHz
1602	4822 242 80276	crystal 10MHz

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2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V

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2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1K 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V

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2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V

Small signal panel C D F H

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2692	4822 122 31981	33nF ±0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF ±0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1μF 20% 63V
2702	4822 124 40242	1μF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22μF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22μF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33μF 20% 16V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

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3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3113	4822 116 52175	100Ω 5% 0,5W
3114	4822 116 52175	100Ω 5% 0,5W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k2 2% 0,25W
3123	4822 051 10822	8k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W

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3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3160	4822 052 10109	10Ω 5% 0,33W
3160	4822 116 81203	10Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	5322 111 90282	2k4 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W

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3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10821	820Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3304	4822 051 51201	120Ω 1% 0,125W
3304	4822 051 10101	100Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10182	1k8 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10362	3k6 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10392	3k9 2% 0,25W
3329	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

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Small signal panel C D F H

3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

Jumpers

4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4600	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47μH 10%
5115	4822 152 20677	10μH 10%
5270	4822 157 52983	22μH 10%
5303	4822 157 63065	0,68μH 20%
5304	4822 157 63065	0,68μH 20%
5305	4822 157 62823	26μH 6%
5310	4822 157 63245	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%
5403	4822 157 63065	0,68μH 20%
5403	4822 157 53302	1μH 20%
5404	4822 157 63065	0,68μH 20%
5404	4822 157 53302	1μH 20%
5454	4822 157 63065	0,68μH 20%

Small

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Small signal panel C D F H

5455	4822 157 63065	0,68µH 20%
5456	4822 157 63065	0,68µH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B
7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

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High end-box L M

Connectors

	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 267 60252	IC socket 24P
	4822 267 50885	IC socket 16P
	4822 265 40472	10p gold plated

Various

1100	4822 242 72572	crystal 12MHz
1200	4822 242 71417	cryst. 13,875MHz

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2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10µF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 41715	220µF 20% 6,3V
2108	4822 124 41506	47µF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF ±0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V

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2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100µF 20% 16V
2170	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31768	180pF 5% 50V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 41715	220µF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100µF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2µF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2215	4822 124 41576	2,2µF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2µF 20% 50V
2218	4822 124 41596	22µF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7µF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100µF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10µF 20% 50V
2228	4822 122 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220µF 20% 10V
2252	4822 122 33496	100nF 10% 63V

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2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100µF 20% 16V
2265	4822 124 41643	100µF 20% 16V
2266	4822 126 11725	1µF 20% 50V
2268	4822 124 41997	470µF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330µF 20% 6,3V
2274	4822 124 41506	47µF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47µF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100µF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470µF 20% 10V
2311	4822 124 41506	47µF 20% 16V
2312	4822 122 31769	18pF 5% 50V

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3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10181	180Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

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5% 63V
5% 63V
10% 63V
5% 63V
5% 63V
% 50V
% 50V
% 50V
10% 63V
20% 16V
20% 16V
% 50V
10V
10% 63V
10% 63V
10% 63V
10% 63V
20% 6,3V
% 16V
0% 63V
0% 63V
% 16V
% 50V
% 50V
% 50V
% 50V
0% 16V
% 50V
6 50V
% 50V
6 50V
% 50V
6 50V
% 50V
0% 63V
0% 63V
0% 63V
V
V
V
0% 63V
0% 63V
0% 63V
0% 10V
% 16V
6 50V

0,5W
0,5W
,25W
0,25W
0,1W
0,1W
0,25W
0,25W
% 0,25W
0,25W
0,25W
% 0,25W
0,25W
,25W
0,25W
0,25W
0,25W
6 0,25W
0,25W

High end-box L M

3120	4822 051 10332	3k3 2% 0,25W
3121	4822 051 10472	4k7 2% 0,25W
3122	4822 051 10473	47k 2% 0,25W
3123	4822 051 10122	1k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10272	2k7 2% 0,25W
3127	4822 051 10221	220Ω 2% 0,25W
3131	4822 051 10109	10Ω 2% 0,25W
3132	4822 051 10152	1k5 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10221	220Ω 2% 0,25W
3135	4822 051 10272	2k7 2% 0,25W
3136	4822 116 81193	15Ω 5% 0,3W
3137	4822 051 10223	22k 2% 0,25W
3138	4822 051 10124	120k 2% 0,25W
3139	4822 051 10101	100Ω 2% 0,25W
3140	4822 051 10224	220k 2% 0,25W
3141	4822 051 10223	22k 2% 0,25W
3142	4822 051 10104	100k 2% 0,25W
3143	4822 051 10104	100k 2% 0,25W
3144	4822 051 10272	2k7 2% 0,25W
3145	4822 051 10759	75Ω 2% 0,25W
3146	4822 051 20222	2k2 5% 0,1W
3147	4822 051 10279	27Ω 2% 0,25W
3148	4822 051 10479	47Ω 2% 0,25W
3151	4822 051 10102	1k 2% 0,25W
3152	4822 051 10621	620Ω 2% 0,25W
3153	4822 051 10122	1k2 2% 0,25W
3155	4822 051 10271	270Ω 2% 0,25W
3156	4822 051 10102	1k 2% 0,25W
3157	4822 051 10151	150Ω 2% 0,25W
3158	4822 051 10331	330Ω 2% 0,25W
3159	4822 051 20222	2k2 5% 0,1W
3160	4822 051 10241	240Ω 2% 0,25W
3161	4822 051 10221	220Ω 2% 0,25W
3162	4822 051 10102	1k 2% 0,25W
3163	4822 051 10332	3k3 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10332	3k3 2% 0,25W
3166	4822 051 20222	2k2 5% 0,1W
3168	4822 051 10221	220Ω 2% 0,25W
3169	4822 051 10105	1M 5% 0,25W
3170	4822 051 10102	1k 2% 0,25W
3171	4822 051 10102	1k 2% 0,25W
3172	4822 051 51102	1k1 1% 0,125W
3173	4822 051 10102	1k 2% 0,25W
3174	4822 051 10102	1k 2% 0,25W
3175	4822 051 10683	68k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3198	4822 051 10008	0Ω 5% 0,25W
3200	4822 111 41423	18Ω 5% 0,3W
3202	4822 051 10101	100Ω 2% 0,25W
3203	4822 051 10101	100Ω 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3205	4822 051 10102	1k 2% 0,25W
3206	4822 051 10332	3k3 2% 0,25W
3207	4822 051 10104	100k 2% 0,25W
3208	4822 051 10102	1k 2% 0,25W
3209	4822 051 10562	5k6 2% 0,25W
3210	4822 111 41424	22Ω 5% 0,3W
3211	4822 051 10229	22Ω 2% 0,25W
3212	4822 051 10122	1k2 2% 0,25W
3213	4822 051 10561	560Ω 2% 0,25W
3214	4822 051 10303	30k 2% 0,25W
3215	4822 051 10102	1k 2% 0,25W
3216	4822 051 10562	5k6 2% 0,25W
3217	4822 051 10101	100Ω 2% 0,25W
3218	4822 051 10155	1M5 5% 0,25W
3220	4822 051 10473	47k 2% 0,25W
3221	4822 051 10181	180Ω 2% 0,25W
3222	4822 051 10683	68k 2% 0,25W
3223	4822 051 10102	1k 2% 0,25W
3224	4822 051 20222	2k2 5% 0,1W
3225	4822 051 10221	220Ω 2% 0,25W
3226	4822 051 10681	680Ω 2% 0,25W
3227	4822 051 10221	220Ω 2% 0,25W
3228	4822 100 11483	10k 30% LIN
3230	4822 051 10562	5k6 2% 0,25W
3231	4822 051 20222	2k2 5% 0,1W
3232	4822 051 10102	1k 2% 0,25W
3251	4822 051 10393	39k 2% 0,25W
3252	4822 051 10751	750Ω 2% 0,25W
3253	4822 051 10751	750Ω 2% 0,25W
3254	4822 051 10221	220Ω 2% 0,25W
3255	4822 051 10471	470Ω 2% 0,25W
3256	4822 051 10681	680Ω 2% 0,25W
3260	4822 051 10822	8k2 2% 0,25W
3261	4822 051 10472	4k7 2% 0,25W
3262	4822 111 41424	22Ω 5% 0,3W
3274	4822 051 10223	22k 2% 0,25W
3275	4822 051 10102	1k 2% 0,25W
3276	4822 051 10392	3k9 2% 0,25W
3279	4822 051 10122	1k2 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3281	4822 051 20222	2k2 5% 0,1W
3290	4822 051 10561	560Ω 2% 0,25W
3291	4822 051 10561	560Ω 2% 0,25W
3292	4822 051 10561	560Ω 2% 0,25W
3293	4822 051 10561	560Ω 2% 0,25W
3296	4822 051 55601	560Ω 1% 0,25W
3297	4822 051 52611	261Ω 1% 0,25W
3298	4822 051 10102	1k 2% 0,25W
3299	4822 051 10102	1k 2% 0,25W
3301	4822 051 10339	33Ω 2% 0,25W
3302	4822 051 10339	33Ω 2% 0,25W
3303	4822 051 10339	33Ω 2% 0,25W
3304	4822 051 10109	10Ω 2% 0,25W
3310	4822 051 10912	9k1 2% 0,25W
3320	4822 051 10008	0Ω 5% 0,25W
3321	4822 051 10008	0Ω 5% 0,25W
3322	4822 051 10008	0Ω 5% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W

5040	4822 157 52983	22μH 10%
5041	4822 157 52983	22μH 10%
5100	4822 157 63246	6μH
5101	4822 157 63247	1,4μH
5102	4822 157 52403	3,3μH 10%
5103	4822 157 60147	2,2μH
5104	4822 157 60147	2,2μH
5105	4822 157 60147	2,2μH
5106	4822 157 60147	2,2μH
5107	4822 157 60147	2,2μH
5108	4822 157 60147	2,2μH
5109	4822 157 60147	2,2μH
5150	4822 157 52224	15μH 10%
5151	4822 157 60498	56μH 10%
5152	4822 157 60498	56μH 10%
5201	4822 157 52224	15μH 10%
5202	4822 157 52138	27μH 10%
5251	4822 157 60147	2,2μH
5252	4822 157 60147	2,2μH

6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6150	4822 130 82914	DIODE
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

7100	4822 130 61207	BC848
7101	5322 130 42136	BC848C
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	4822 130 42513	BC858C
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7170	4822 130 42513	BC858C
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N2
7204	4822 209 30868	PCF80C51BH-3P
7205	4822 209 63892	UPD91237C
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209-83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 30913	TDA8703/C4
7212	4822 209 30913	TDA8703/C4
7213	4822 209 30913	TDA8703/C4
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5

Spare parts list / Stückliste / Liste

PIP panel J

Connectors

	4822 265 40503	5P female gold
	4822 265 40472	10P female gold
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

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2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF

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2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

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3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

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3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

PIP pa

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Jumpers

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PIP panel J

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

Picture tube panel E

Connectors

	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male black
	4822 290 40295	7P male grey

Various parts

	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket
1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"

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2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

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3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 6% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W

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3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 6% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

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5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

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6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

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7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170MHz
1003	4822 242 81127	cryst. 13.100MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

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2000	4822 122 31947	100nF 20% 63V
2001	4822 124 40433	47μF 20% 25V
2002	4822 122 31797	22nF 10% 63V
2003	4822 122 31797	22nF 10% 63V
2004	4822 122 31768	180pF 5% 50V
2005	4822 122 31768	180pF 5% 50V
2006	5322 122 31842	330pF 5% 63V
2007	4822 122 32597	6,8nF 10% 63V
2008	4822 122 31808	150pF 10% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31808	150pF 10% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1000pF 5% 50V
2014	4822 122 32442	10nF 50V
2015	4822 125 50045	20pF trim.
2016	4822 122 31961	68pF 5% 63V
2017	4822 121 42408	220nF 5% 63V
2018	4822 122 32442	10nF 50V
2019	4822 122 31797	22nF 10% 63V
2020	4822 124 40433	47μF 20% 25V
2021	4822 122 31782	15nF 10% 50V
2021	4822 122 32856	8,2nF 10% 63V
2022	4822.122 31981	33nF ±0,5pF 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF ±0,5pF 50V
2023	4822 122 31759	18nF
2024	4822 122 31782	15nF 10% 50V
2024	4822 122 32856	8,2nF 10% 63V
2025	4822 122 31797	22nF 10% 63V
2026	4822 124 40433	47μF 20% 25V
2027	4822 122 31773	560pF 5% 50V
2028	4822 126 10171	2,7nF 5% 50V
2029	4822 122 32999	2,2nF 5% 50V
2030	4822 122 32999	2,2nF 5% 50V
2031	4822 126 10171	2,7nF 5% 50V
2032	4822 122 31773	560pF 5% 50V
2033	4822 126 11492	220nF 10% 63V
2034	4822 126 11492	220nF 10% 63V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 122 32442	10nF 50V
2037	4822 122 32442	10nF 50V
2038	4822 122 31797	22nF 10% 63V
2039	4822 126 11691	150nF 10% 63V
2040	4822 122 33669	150nF 20% 50V
2041	5322 122 31647	1nF 10% 63V
2042	4822 126 10183	330pF 10% 63V
2043	5322 122 31647	1nF 10% 63V
2044	5322 122 31647	1nF 10% 63V
2050	4822 124 40433	47μF 20% 25V
2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

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3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 116 90536	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

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5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7μH 10%
5003	4822 157 51235	4,7μH 10%

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6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148

7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Spare parts list / Stückliste / Liste

Y/C detector I

Connectors

	4822 265 40503	5P female gold
	4822 265 30431	3P female gold

Various parts

1231	4822 242 80364	filter 4,43MHz

2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

6258	4822 130 80905	LLZ-F5V1

7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B